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ABSTRACT

This reports presents information on the early career outcomes of college graduates at all degree levels, plus minority and teacher certificated graduates based on data from 28 public and independent two-and four-year colleges and universities in Michigan. The report is divided into three parts. The first section presents the data for all graduates. Compiled statistics for minorities are located in the second section. The last section covers teacher certificate graduates. A summary of the compiled statistics precedes the tables. The tables provide information on job placement results by curriculum areas, the number of degrees conferred by type of degree, and placement results by curriculum area for minorities and teachers. Contains 12 statistical tables. (GLR)

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EMPLOYMENT SURVEY OF MICHIGAN COLLEGE GRADUATES: Report of Destinations, Average Starting Salaries, and Unemployment

1988-89

(All Degree Levels, Minority and Teacher Certified Graduates)

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Lake Michigan College
Lansing Community College
Michigan State University
Michigan Technological University
Monroe County Community College
Montcalm Community College
Muskegon Community College
Northwest Michigan College
Saginaw Valley State University
Siena Heights College
Spring Arbor College
University of Detroit
University of Michigan - Ann Arbor
University of Michigan - Dearborn
Wayne State University

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The 1988-89 Follow-up Report presents, for the first time, information on the early career outcomes of college graduates at all degree levels, plus minority and teacher certificated graduates. In 1987-88, requests were made for information on minorities and teachers. Enough data were finally returned to the Institute that a separate report was prepared and released. The timely return of the 1988-89 data sheets permitted all information to be reported in one volume. This information should provide the reader with a comprehensive reference on early career outcomes for 1988-89 graduates.

The information in this report has been compiled from data received from 28 public and independent two-and four-year colleges and universities in Michigan. Several institutions that have participated in previous years were unable to provide data for this year's report. Comparisons of summary data can still be made; but caution should be taken in comparing individual academic programs unless the number of observations is large.

This report has been divided into three parts. The first section presents the data for all graduates. Compiled statistics for minorities are located in the second section. The last section covers teacher certificate graduates. A summary of the compiled statistics precedes the table.

ALL GRADUATES

Institutions reporting data this year accounted for approximately 32%, 21%, 55%, 41%, and 42% of certificate, Associate, Bachelor's, Master's and Doctoral degrees, respectively, awarded in the 1988-89 academic year. As the summary table indicates, the number of graduates responding to their institution's follow-up surveys represented from 11% to 35% of the total degrees confirmed. The response rate among reporting institutions was approximately 60% with the exceptions of certificate and Doctoral programs.

Degree	Total Degrees Conferred	Number of Grads Reported	Number of Grads Responding	Reported Grads as a % of Conferred	Responding Grads as a % of Conferred	Responding Grads as a % of Reported
Certificate	4252	1355	503	32	11	37
Associate's	20226	4355	2402	21	12	56
Bachelor's	40858	22795	14594	55	35	64
Master's	12726	5294	2968	41	23	56
Doctoral/ Professional	3591	1542	604	42	16	39

Tables 1, 3, 5, 7 and 9 compare data on degrees conferred, provided by the State of Michigan, with graduates reported by participating institutions. For each respective degree level, the major classification of instructional program (CIP) or curriculum groups are listed by CIP number. The reported figures were slightly lower than those found in last year's report.

After completing their degrees, graduates can be either employed full-time, pursuing further education, or still seeking employment. These three categories captured the majority of graduates as reported in Tables 2, 4, 6, 8 and 10. If these three categories (employed full-time, unemployed, and school) in any row do not total 100%, the remaining graduates have been placed in an "other" category. The "other" group consists of foreign students who return to their home countries, individuals who are unemployed but not seeking work, and a few individuals who are working part-time.

A summary of these major tables revealed that approximately 60% or more of all graduates were working full-time. The percentage was over 80% for advanced degree recipients. Approximately 11% of the Bachelor's graduates were still unemployed some six months after graduation. The unemployment rate for Master's and Doctoral graduates was one-half this rate. Depending on the degree level, pursuit of additional education varied from a high of 31% for Associate's degree recipients, to a low of 3% for Ph.D. graduates.

Degree	Percent Working Full-Time	Percent Continuing Education	Percent Unemployed	Percent Other
Certificate	66	14	11	14
Associate's	59	31	4	6
Bachelor's	72	15	11	5
Master's	80	9	5	5
Doctoral/Professional	91	3	4	1

The number of graduates in full-time employment could vary widely within a major CIP category. Programs with high employment rates (generally greater than 75%) are singled out. To insure that these programs are representative, only undergraduate and Master's programs which graduate 50 or more students and Doctoral programs which graduated ten or more students are included in the list. Many advanced degree graduates were working while they earned their degrees and simply continued their employment after receiving their degree.

High Employment Majors

(% full-time employed greater than 75%)

Associate's:

Executive Secretarial, Legal Secretarial, Dental Hygiene, Radiograph Medical Technology, Nursing.

Bachelor's:

Agricultural Economics, Packaging, Business and Management (General), Accounting, Banking and Financing, Material Management and Purchasing, Business Economics, Institutional Management, Marketing Management, Trade and Industrial Management, Fashion Merchandising, Business Marketing, Recreation Service (Marketing), Journalism, Telecommunications, Computer Sciences, Information Sciences, Engineering (General), Aerospace Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Industrial Engineering, Mechanical Engineering, Metallurgical Engineering, Occupational Therapy, Physical Therapy, Nursing, Textiles and Clothing (Retail), Speech (Debate and Forensics), Law Enforcement, Economics, and Dramatic Arts.

Masters:

Banking and Finance, Business Administration and Management, Labor and Industrial Relations, Educational Administration, Curriculum and Instruction, Special Education, Specific Learning Disabilities, Student Counseling, Elementary Education, Reading Education, Civil Engineering, Mechanical Engineering, Nursing, and Social Work.

Doctoral:

Soil Sciences, Curriculum and Instruction, Education Administration, Mechanical Engineering, Human Medicine, Optometry, Osteopathic Medicine, Veterinary Medicine, Law, English, Chemistry, and Psychology.

When graduates were still seeking employment at the time of the survey, they were classified as unemployed. Depending on the survey strategies of the individual institutions, this column best reflected those graduates who had not received a job offer by six months after graduation. The small number of responses for many academic majors resulted in programs with unemployment rates above 10%. Focusing on programs with a large number of graduates,

unemployment appeared to be more of a problem for Bachelor's recipients than other degree levels. These Bachelor's programs reported higher unemployment rates (10% or higher) than other programs:

Bachelor's:

Packaging, Banking and Finance, Business Administration, Material Management and Purchasing, Operations Research, Business Marketing, Communications, Advertising, Journalism, Telecommunications, Elementary Education, Physical Education, Aerospace Engineering, Textiles and Clothing (Retail), Humanities and Social Science, Law Enforcement, Social Science, and Fine Arts (General).

Graduates who were employed full-time were further classified as "Employed in Michigan" or "Employed Outside the State." For graduates whose destinations were not known, their locations were listed as "Unknown." Seventy-five percent (75%) or more of the Bachelor's, Master's, and Doctoral graduates were employed in Michigan. The destinations of many certificate and Associate's recipients were not known.

Degree	Percent Employed in Michigan	Percent Employed Outside Michigan	Not Known
Certificate	40%	2%	57%
Associate's	46	4	49
Bachelor's	75	21	2
Master's	87	11	1
Doctoral/ Professional	81	18	0

Yearly average starting salaries for all majors are reported in Tables 2, 4, 6, 8 and 10 for the respective degrees. A summary of the major CIP codes is presented in the table below. Engineering and related technologies, Computer Science, Health Sciences, Business, Industrial Arts, Agricultural Sciences, and selected Social Science programs generally received the highest starting salaries across degree levels. Because of the small number of salaries reported in some curriculum areas and different levels of work experience prior to graduating, some care needs to be exercised when generalizing from these figures, especially at the Master's and Doctoral levels. Caution should also be taking in interpreting certificate and some Associate salaries, as many of these recipients have a great deal of work experience. It should also be noted that salary figures have not been adjusted for less than full-time employment, start-up time for private consulting practices or businesses, or internships or short-term training programs required by some companies before being placed on full-time status.

Several academic programs at the Bachelor's level require graduates to complete a fifth year of schooling or a residency before being certified to practice in their field. Audiology and Speech and Dietician and Nutrition programs would be good examples. The starting salaries reported for these type of programs may not reflect the salaries these graduates would command upon completion of their accreditation program. Salaries reported in this document account for individuals who entered the work immediately after graduation.

AVERAGE STARTING SALARIES

CIP Group	Curriculum Area	$ Certificate	$ Associates	$ Bachelors	$ Masters	$ Doctoral
1,2,3	Agri Bus/Agri Sci/Nat Res	---	16,000	24,943	29,604	34,733
4	Architecture	---	---	20,144	31,164	---
5	Area and Ethnic Studies	---	---	24,996	29,004	---
6,7,8	Business/Office Marketing	14,130	16,313	20,589	38,689	49,335
9,10	Communications/Comm Tech	---	16,620	20,067	32,205	33,504
11	Computer Science	---	15,917	25,950	32,701	---
13	Education	38,664	---	19,456	31,257	41,191
14,15	Engineering/Related Tech	22,081	18,778	30,033	45,313	---
16	Foreign Language	---	---	18,047	29,001	---
17,18	Health Science	15,919	22,184	26,920	32,229	27,463
19,20	Home Economics/Vocational	10,308	13,974	18,782	29,944	33,396
21	Industrial Arts	---	---	25,464	---	---
22	Law	---	16,500	20,190	43,104	34,596
23	Letters	---	---	17,701	26,069	29,126
24	Liberal Studies	---	19,094	25,989	45,600	---
25	Library & Archival Sciences	---	---	---	22,164	---
26	Life Sciences	---	---	20,165	25,818	32,250
27	Mathematics	---	---	21,915	30,165	31,500
30	Interdisciplinary Studies	---	---	20,552	25,202	---
31	Parks & Recreation	---	---	20,388	25,332	39,996
34	Health Related Activities	---	---	17,004	---	---
36	Leisure & Recreational	---	---	---	---	---
38,39	Philosophy/Religion & Theology	---	---	19,365	31,251	---
40	Physical Sciences	---	---	21,850	33,537	36,257
41	Science Technology	---	20,028	---	---	---
42	Psychology	---	---	18,185	28,562	34,041
43,44	Protective Svs & Public Affairs	22,360	18,846	20,181	26,191	---
45	Social Sciences	---	---	21,203	30,614	30,213
47,48	Trade & Industrial Tech	21,685	19,445	---	---	---
49	Transportation	---	21,427	32,496	---	---
50	Visual & Performing Arts	---	---	17,219	26,755	25,601
	AVERAGES		18,749	22,923	32,973	33,704

MINORITY GRADUATES

The institutions that provided statistics on minority graduates reported that 1057 minorities graduated in 1988-89 from their institutions. This represented 33% of the total minority degrees conferred in 1988-89, according to the Post-Secondary Information Unit of Michigan's Department of Education (Degree Completion Michigan Colleges and Universities 1980-89). Of this group, 609 responded to follow-up queries from their institutions. This represented 20% of the total minority degrees conferred and 58% of the reported minority graduates.

The following table presents a summary of the minority statistics grouped by major CIP group. Approximately 66% of the graduates were working full-time, 12% were still unemployed some six months after graduation, and 16% had continued their education. More than 80% of the graduates remained in Michigan to work.

There are some differences which appear among the CIP groups. Some groups, such as Health Science, Engineering, and Agriculture, enjoyed particularly high employment rates. Graduates from Pre-Law, Liberal Studies, Mathematics, Psychology, and Life Sciences were more likely to continue their education.

The average starting salary was $23,306 for Bachelor's degree graduates. Technical, health and science fields generally received the highest salaries. Education graduates also received good starting salary offers.

Comparisons can be made with findings from all graduates. Some care should be taken, however, as this group of minority graduates may not accurately represent minority graduates in 1988-89 because of the small sample represented here. This is particularly true for academic programs where only a small number of graduates were reported.

EARLY CAREER OUTCOMES
OF MINORITY BACHELOR'S GRADUATES

CIP Group	Curriculum Area	Percent Employed Full-Time %	Percent Working In Michigan %	Percent In Schoo %	Percent Unemployed %	Percent Other %	Average Starting Salary $
1	Agriculture	80	87	3	16	---	22,796
4	Architecture	50	100	25	25	---	20,004
6,7,8	Business	71	71	7	12	6	22,644
9,10	Communications	65	82	14	20	---	20,040
11	Computer Sci	70	85	10	10	10	22,693
13	Education	69	88	13	10	8	23,103
14,15	Engineering	79	81	12	3	1	30,132
16	Foreign Lang	70	57	10	0	20	23,036
17,18	Health Sci	81	94	9	4	4	26,473
19,20	Home Ec	66	81	12	20	0	17,875
21	Industrial Arts	100	100	---	---	---	25,500
22	Pre-Law	75	66	25	0	0	17,778
23	Letters	72	90	10	10	6	23,450
24	Liberal Arts	25	0	75	25	---	18,996
26	Life Sciences	44	81	52	4	0	26,023
27	Mathematics	20	100	50	30	10	21,996
30	Interdisciplinary	30	100	53	15	---	18,750
31	Parks & Rec	100	100	---	---	---	---
40	Physical Sci	58	100	16	16	8	25,599
42	Psychology	42	75	47	10	---	18,402
43,44	Protective Svs	56	90	18	24	2	19,948
45	Social Sci	67	76	29	6	---	22,612
50	Visual Arts	38	20	---	23	38	---
	AVERAGE	66	81	16	12	5	23,306

TEACHER CERTIFICATES

The institutions accounted for 2021 graduates who received teaching certificates from 1988-89. In the degree completion report prepared by the Michigan Department of Education (Degree Completion Michigan Colleges and Universities 1980-1989, Postsecondary Information Unit), approximately 3,181 education graduates were reported for 1988-89. This figure did not include graduates who received diplomas and teaching certificates from other programs, such as English, Biology, or Mathematics (primarily secondary teachers). This report captured approximately 55% of those graduating with teaching certificates. While 63% of those graduates reported working full-time, only 47% were working in education. This figure is consistent with findings from employment surveys of school districts (national and Michigan) that indicate that new college graduates comprise from 40% to 50% of new hires made each year. The school districts' message is clear that they tend to prefer experienced teachers.

How do new teachers obtain experience? Usually early experience is gained through substitute teaching. Reported in the following table is the "other" category that accounts for those individuals who are working part-time (In the remaining tables, the "other" or "part-time" category can be calculated by adding the percent employed full-time, percent unemployed, and percent in school and then subtracting from 100. Rounding error also needs to be considered.) For the total population, the part-time percentage is approximately 17% which is three times higher than the general Bachelor rate of 5%. This result strongly suggests that a significant number of new teachers were initially only working in a substitute capacity.

Another clue as to why a high proportion of teachers are not working in education can be fund in the number working in Michigan. Nearly 75% of those working full-time reside in Michigan; approximately the same percentage as Bachelor's graduates in general if the graduates whose locations were not known (9%, nearly five times higher than Bachelor's graduates) are included with the Michigan tally, the number working in Michigan approaches 85%. Unfortunately, the current labor market in Michigan for teachers can not absorb this many new teachers.

Starting salaries averaged $18,700 and ranged from $15,000 to $24,000 with some exceptions. Generally special education and secondary education (all forms) received higher salaries. Lower salaries were reported by elementary education graduates.

These salary averages mask important differences between private and public education systems. Private systems generally pay lower salaries than public school districts.

The following table highlights the outcomes for selected teacher education programs (more than 50 graduates reported). Graduates from special education reported the highest rates of full-time employment and the lowest rates in part-time employment and unemployment. The lowest full-time employment rates were reported by physical education, general

science education, elementary education, and English graduates. Only in the areas of biology, mathematics, and history was there a tendency to move outside the state.

For those working full-time, the percentage varied widely as to those who were actually employed in education. Some majors, such as special education and child development, have alternative career paths outside of school systems. What is particularly discouraging about these figures are the high percentages for math and science trained teachers not working in education. The national media has drawn attention to the nationwide need for math-science teachers. Apparently Michigan has a market problem with an over supply of new science teachers that are not being directed to areas throughout the country that need these kind of teachers. While there may be a reluctance on the part of new graduates to leave Michigan, advisors should encourage them to begin their career in other states. Once experience has been gained, these teachers will be more competitive for positions in Michigan.

EARLY OUTCOMES FOR SELECTED TEACHER PROGRAMS

	Percent Employed Full-Time %	Percent Not Working in Education %	Percent Working in Michigan %	Percent Unemployed %	Percent Other %	Average Starting Salary $
Special Education, General	86	66	82	6	0	18,999
Emotionally Handicapped	88	42	79	1	7	20,545
Mentally Handicapped	76	45	82	2	14	19,720
Elementary Education	56	45	75	12	15	16,950
Business Education	62	62	78	5	20	21,876
Physical Education	50	45	71	6	29	20,577
Science Education	56	70	73	8	14	18,473
Social Science Education	56	34	80	1	22	20,729
Teacher Ed/Specific Subject	64	10	67	0	33	18,594
Child Development	65	16	78	6	28	18,658
English	57	50	77	7	24	18,749
Biology	67	26	56	10	9	19,604
Mathematics	65	73	67	1	28	20,536
Humanities & Social Sciences	63	34	75	5	29	18,533
History	59	48	51	2	27	19,587

NOTES

1. Data contained in these follow-up reports vary from year to year depending on the mix of schools participating and the response rates each school obtains from their individual surveys. In some cases, an institution has several placement offices, all of which were not able to supply data to this report. From the University of Michigan, an institution with a decentralized placement function, the Engineering Placement and Career Planning and Placement offices have provided data for this report. The latter office provides general career counseling to all students with the largest percentage from the School of Literature, Sciences and the Arts. Only students who use their services participate in the follow-up study. The figures supplied by these two offices from the University of Michigan only represent their clientele and may not be representative of students from the entire University.

2. Throughout this report, curriculum areas are listed by their classification of instructional programs (CIP) code that brings together similar programs based upon program purpose and program category. For further discussion see the Michigan Postsecondary Admissions and Financial Assistance Handbook, Michigan State Board of Education, 1985, pp. 164-66.

CERTIFICATE RECIPIENTS

Table 1

Certifcate Degrees Conferred Compared to Graduates Reported and Responding by Participating Institutions for Major Curriculum Areas 1988-89

CIP	Curriculum Area	Total * Degrees Conferred Public	Total ** Number of Grads Reported	Percent of Conferred	Total ** Number of Grads Responding	Percent of Conferred	Percent of Reported
1	Agribusiness	115	0	0%	0	0%	0%
2	Agricultural Sciences	0	0	0%	0	0%	0%
3	Renewable Natural Resources	11	0	0%	0	0%	0%
4	Architecture	3	0	0%	1	33%	0%
5	Area And Ethnic Studies	0	0	0%	0	0%	0%
6	Business and Management	191	46	24%	19	9%	41%
7	Business and Office	706	105	14%	51	7%	48%
8	Marketing and Distribution	77	15	19%	12	15%	80%
9	Communications	1	0	0%	0	0%	0%
10	Communications Technology	4	0	0%	0	0%	0%
11	Computer Science	109	13	11%	2	1%	15%
12	Consumer, Personal, Misc. Serv	106	15	14%	13	12%	86%
13	Education	8	9	>100%	5	62%	55%
14	Engineering	0	12	0%	0	0%	0%
15	Engineering Related Technology	453	19	4%	11	2%	57%
16	Foreign Language	24	1	4%	0	0%	0%
17	Allied Health	807	168	20%	86	10%	51%
18	Health Sciences	50	119	>100%	86	>100%	72%
19	Home Economics	8	11	>100%	6	75%	54%
20	Vocational Home Economics	107	37	34%	22	20%	59%
21	Industrial Arts	1	0	0%	0	0%	0%
22	Law	64	11	17%	8	12%	72%
23	Letters	0	0	0%	0	0%	0%
24	Liberal Studies	222	0	0%	0	0%	0%
25	Library Sciences	5	8	>100%	0	0%	0%
26	Life Sciences	0	0	0%	0	0%	0%
27	Mathematics	5	0	0%	0	0%	0%
30	Interdisciplinary Studies	26	0	0%	0	0%	0%
31	Parks and Recreation	0	0	0%	0	0%	0%
34	Health Related Activities	0	0	0%	0	0%	0%
36	Leisure/Recreational Activitie	0	0	0%	0	0%	0%
38	Philosophy and Religion	0	0	0%	0	0%	0%
39	Theology	15	0	0%	0	0%	0%
40	Physical Sciences	0	0	0%	0	0%	0%
41	Science Technology	5	0	0%	0	0%	0%
42	Psychology	0	0	0%	0	0%	0%
43	Protective Services	279	680	>100%	146	52%	21%
44	Public Affairs	0	0	0%	0	0%	0%
45	Social Sciences	14	0	0%	1	7%	0%
46	Construction Trades	362	2	0%	1	0%	50%
47	Mechanics and Repairers	259	62	23%	27	10%	43%
48	Precision Production	200	22	11%	6	3%	27%
49	Transportation and Material Mo	0	0	0%	0	0%	0%
50	Visual and Performing Arts	15	0	0%	0	0%	0%
	Totals/Averages	4252	1355	31%	503	11%	37%

* Data from Michigan Department of Education

** Data from institutions responding to this survey

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Table 2

Placement Results for 1988-89 Certificate Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Architecture												
4.0201	Architecture	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
Totals		1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
Business/Office Marketing												
6.0101	Business and Management, General	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
6.0401	Business Admin. and Management, Gen	2	0	0%	0%	0%	0%	100%	0%	0%	0	$0
6.1701	Real Estate	10	6	60%	0%	0%	100%	0%	10%	30%	0	$0
6.2001	Trade and Industrial Management	2	2	100%	100%	0%	0%	0%	50%	0%	1	$27,039
6.9999	Business and Management, Other	4	3	75%	66%	0%	33%	0%	0%	25%	0	$0
7.0102	Accounting and Computing	1	1	100%	100%	0%	0%	0%	0%	0%	1	$17,280
7.0103	Bookkeeping	3	2	66%	50%	50%	0%	0%	0%	33%	0	$0
7.0301	Business Data Processing, General	9	6	66%	16%	0%	83%	22%	0%	11%	19	$17,650
7.0303	Business Data Entry Operation	2	2	100%	50%	0%	50%	0%	0%	0%	10	$13,042
7.0401	Office Supervision and Management	1	0	0%	0%	0%	0%	0%	0%	100%	1	$8,112
7.0605	Medical Secretary	8	6	75%	83%	0%	16%	25%	0%	0%	11	$14,001
7.0607	Stenography	1	0	0%	0%	0%	0%	100%	0%	0%	0	$0
7.0608	Word Processing	11	10	90%	30%	0%	70%	0%	0%	0%	2	$11,594
7.0702	Clerk-Typist	2	1	50%	100%	0%	0%	0%	0%	100%	1	$7,904
7.0705	General Office Clerk	10	8	80%	75%	0%	25%	10%	0%	10%	29	$12,628
7.0799	Secretary Programs, Other	3	2	66%	100%	0%	0%	0%	0%	33%	3	$12,780
8.1105	Travel Service Marketing	12	7	58%	71%	0%	28%	16%	25%	25%	5	$12,979
Totals		82	56	68%	53%	1%	44%	12%	7%	17%	83	$14,130
Computer Science												
11.0301	Data Processing	2	1	50%	100%	0%	0%	0%	50%	50%	1	$4,160
Totals		2	1	50%	100%	0%	0%	0%	50%	50%	1	$4,160
Cosmetology/Manicuring												
12.0403	Cosmetology	10	6	60%	100%	0%	0%	0%	10%	30%	0	$0
12.0499	Manicuring	3	1	33%	100%	0%	0%	33%	0%	33%	0	$0
Totals		13	7	53%	100%	0%	0%	7%	7%	30%	0	$0
Education												
13.0101	Education, General	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
13.0501	Instructional Technology	3	3	100%	66%	33%	0%	0%	0%	0%	3	$38,664
13.1319	Technical Education	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
Totals		5	4	80%	75%	25%	0%	0%	20%	0%	3	$38,664

Placement Results for 1988-89 Certificate Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Engineering/Related Technology												
15.0202	Drafting and Design Technology	2	2	100%	100%	0%	0%	0%	50%	0%	2	$17,170
15.0399	Electrical/Electronic Techn, Other	1	0	0%	0%	0%	0%	100%	0%	0%	0	$0
15.0402	Computer Servicing Technology	4	2	50%	0%	0%	100%	50%	0%	0%	0	$0
15.0603	Industrial Technology	1	1	100%	0%	0%	100%	0%	0%	0%	1	$30,000
15.0610	Welding Technology	3	2	66%	100%	0%	0%	0%	33%	0%	1	$23,982
Totals		11	7	63%	57%	0%	42%	27%	18%	0%	4	$22,081
Health Science												
17.0101	Dental Assisting	6	5	83%	0%	0%	100%	16%	16%	33%	3	$13,520
17.0206	Emergency Medical/Paramedic	10	8	80%	0%	0%	100%	0%	20%	0%	7	$19,653
17.0210	Respiratory Therapy Technology	2	2	100%	0%	0%	100%	0%	0%	0%	0	$0
17.0211	Surgical Technology	6	5	83%	0%	0%	100%	0%	16%	0%	0	$0
17.0399	Mortuary Science	4	4	100%	100%	0%	0%	0%	0%	0%	4	$26,700
17.0410	Mental Health/Human Services	6	5	83%	0%	0%	100%	0%	16%	0%	0	$0
17.0503	Medical Assisting	4	3	75%	0%	0%	100%	0%	0%	25%	9	$16,198
17.0602	Nursing Assistant	24	8	33%	75%	0%	25%	12%	37%	54%	8	$9,921
17.9999	Allied Health (Other)	24	10	41%	80%	0%	20%	12%	8%	45%	10	$13,561
18.1101	Nursing, General	86	54	62%	42%	0%	57%	2%	38%	2%	35	$16,119
Totals		172	104	60%	39%	0%	60%	5%	28%	16%	76	$15,919
Home Economics/Vocational												
19.0705	Geriatric Services	6	3	50%	0%	0%	100%	50%	0%	0%	0	$0
20.0102	Child Development, Care & Guidance	7	3	42%	100%	0%	0%	28%	57%	57%	3	$9,485
20.0201	Child Care and Guidance Management	2	1	50%	0%	0%	100%	0%	0%	50%	0	$0
20.0406	Food Services	3	3	100%	33%	66%	0%	0%	0%	0%	3	$13,164
20.9999	Vocational Home Economics	10	6	60%	50%	50%	0%	10%	10%	30%	5	$9,089
Totals		28	16	57%	43%	31%	25%	21%	17%	28%	11	$10,308
Law												
22.0103	Legal Assisting	8	4	50%	0%	0%	100%	12%	0%	37%	0	$0
Totals		8	4	50%	0%	0%	100%	12%	0%	37%	0	$0
Protective Services and Public Affairs												
43.0102	Corrections	146	108	73%	13%	0%	86%	14%	0%	6%	14	$22,360
Totals		146	108	73%	13%	0%	86%	14%	0%	6%	14	$22,360

Placement Results for 1988-89 Certificate Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Social Sciences												
45.0801	History	1	0	0%	0%	0%	0%	0%	0%	0%	0	$0
Totals		1	0	0%	0%	0%	0%	0%	0%	0%	0	$0
MISSING GROUP 46												
46.0401	Building Maintenance	1	1	100%	0%	0%	100%	0%	0%	0%	0	$0
Totals		1	1	100%	0%	0%	100%	0%	0%	0%	0	$0
Trade and Industrial Technology												
47.0101	* * * CIP NUMBER NOT FOUND * * *	6	3	50%	100%	0%	0%	33%	33%	50%	3	$18,366
47.0604	Automotive Mechanic	3	2	66%	100%	0%	0%	33%	0%	0%	2	$23,320
47.0607	* * * CIP NUMBER NOT FOUND * * *	8	6	75%	100%	0%	0%	25%	0%	0%	6	$18,168
47.9999	* * * CIP NUMBER NOT FOUND * * *	10	10	100%	100%	0%	0%	0%	0%	0%	7	$26,624
48.0199	* * * CIP NUMBER NOT FOUND * * *	2	2	100%	100%	0%	0%	0%	0%	0%	2	$19,512
48.0503	Machine Tool Operation	4	2	50%	50%	0%	50%	0%	25%	25%	1	$19,240
Totals		33	25	75%	96%	0%	4%	15%	9%	12%	21	$21,685
Grand Totals		514	340	66%	40%	2%	57%	11%	14%	14%	217	$16,411

ASSOCIATE'S GRADUATES

Table 3
Associate's Degrees Conferred Compared to Graduates Reported and Responding by Participating Institutions for Major Curriculum Areas 1988-89

CIP	Curriculum Area	Total * Degrees Conferred Public	Total ** Number of Grads Reported	Percent of Conferred	Total ** Number of Grads Responding	Percent of Conferred	Percent of Reported
1	Agribusiness	26	0	0%	0	0%	0%
2	Agricultural Sciences	8	13	>100%	9	>100%	69%
3	Renewable Natural Resources	26	5	19%	2	7%	40%
4	Architecture	41	0	0%	0	0%	0%
5	Area And Ethnic Studies	1	0	0%	0	0%	0%
6	Business and Management	3061	521	17%	370	12%	71%
7	Business and Office	2405	616	25%	288	11%	46%
8	Marketing and Distribution	559	111	19%	67	11%	60%
9	Communications	101	167	>100%	38	37%	22%
10	Communications Technology	106	35	33%	23	21%	65%
11	Computer Science	580	32	5%	28	4%	87%
12	Consumer, Personal, Misc. Serv	39	2	5%	2	5%	100%
13	Education	789	1	0%	1	0%	100%
14	Engineering	143	113	79%	78	54%	69%
15	Engineering Related Technology	1828	712	38%	539	29%	75%
16	Foreign Language	4	0	0%	0	0%	0%
17	Allied Health	1249	366	29%	283	22%	77%
18	Health Sciences	1609	303	18%	188	11%	62%
19	Home Economics	6	2	33%	2	33%	100%
20	Vocational Home Economics	406	292	71%	97	23%	33%
21	Industrial Arts	4	0	0%	0	0%	0%
22	Law	190	26	13%	18	9%	69%
23	Letters	24	1	4%	0	0%	0%
24	Liberal Studies	5010	661	13%	261	5%	39%
25	Library Sciences	1	0	0%	0	0%	0%
26	Life Sciences	33	1	3%	0	0%	0%
27	Mathematics	6	0	0%	0	0%	0%
30	Interdisciplinary Studies	84	42	50%	40	47%	95%
31	Parks and Recreation	15	0	0%	0	0%	0%
34	Health Related Activities	0	0	0%	0	0%	0%
36	Leisure/Recreational Activitie	0	7	0%	7	0%	100%
38	Philosophy and Religion	1	0	0%	0	0%	0%
39	Theology	16	0	0%	0	0%	0%
40	Physical Sciences	210	0	0%	0	0%	0%
41	Science Technology	80	11	13%	11	13%	100%
42	Psychology	76	9	11%	7	9%	77%
43	Protective Services	619	124	20%	53	8%	42%
44	Public Affairs	86	1	1%	1	1%	100%
45	Social Sciences	49	0	0%	0	0%	0%
46	Construction Trades	15	0	0%	0	0%	0%
47	Mechanics and Repairers	227	67	29%	25	11%	37%
48	Precision Production	363	38	10%	16	4%	42%
49	Transportation and Material Mo	37	40	>100%	9	24%	22%
50	Visual and Performing Arts	93	36	38%	19	20%	52%
	Totals/Averages	20226	4355	21%	2482	12%	56%

* Data from Michigan Department of Education

** Data from institutions responding to this survey

Table 4

Placement Results for 1988-89 Associate's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Agribus/AgriSci/RenewNatRes *												
2.0404	Plant Science	9	4	44%	75%	25%	0%	0%	55%	0%	0	$0
3.0101	Resource Development	2	1	50%	100%	0%	0%	0%	50%	0%	1	$16,000
Totals		11	5	45%	80%	20%	0%	0%	54%	0%	1	$16,000
Business/Office Marketing												
6.0101	Business and Management, General	132	88	66%	10%	4%	85%	1%	31%	0%	76	$19,030
6.0201	Accounting	62	44	70%	0%	0%	100%	0%	29%	0%	36	$14,520
6.0301	Banking and Finance	1	1	100%	0%	0%	100%	0%	0%	0%	1	$15,000
6.0401	Business Admin. and Management, Gen	62	34	54%	79%	0%	20%	8%	32%	4%	17	$13,948
6.0701	Institutional Management	9	6	66%	50%	0%	50%	0%	11%	22%	5	$17,095
6.0799	Institutional Management, Other	12	9	75%	0%	0%	100%	0%	25%	0%	8	$14,232
6.1399	Management Science	5	2	40%	0%	0%	100%	60%	20%	0%	2	$15,280
6.1401	Marketing Management	22	17	77%	0%	0%	100%	4%	18%	0%	11	$19,779
6.1701	Real Estate	19	2	10%	100%	0%	0%	5%	84%	0%	0	$0
6.1801	Small Business Management	3	2	66%	100%	0%	0%	33%	0%	0%	1	$8,892
6.9999	Business and Management, Other	43	25	58%	0%	0%	100%	4%	11%	20%	8	$14,604
7.0101	Accounting and Bookkeeping	28	15	53%	100%	0%	0%	7%	28%	10%	15	$14,831
7.0102	Accounting and Computing	15	10	66%	20%	20%	60%	0%	6%	26%	11	$15,699
7.0201	Banking and Financial Programs	10	5	50%	20%	0%	80%	20%	20%	10%	3	$16,320
7.0301	Business Data Processing, General	15	11	73%	63%	0%	36%	6%	13%	6%	8	$12,375
7.0305	Business Data Programming	18	15	83%	0%	0%	100%	5%	0%	11%	15	$20,760
7.0399	Business Data Processing, Other	1	1	100%	0%	0%	100%	0%	0%	0%	0	$0
7.0401	Office Supervision and Management	26	20	76%	80%	5%	15%	7%	11%	3%	13	$23,678
7.0602	Court Reporting	9	9	100%	66%	0%	33%	0%	0%	0%	3	$17,568
7.0603	Executive Secretarial	57	43	75%	34%	0%	65%	0%	14%	10%	46	$14,629
7.0604	Legal Secretarial	49	37	75%	21%	0%	78%	6%	10%	8%	30	$14,882
7.0605	Medical Secretary	4	3	75%	66%	0%	33%	0%	0%	75%	4	$13,589
7.0606	Secretarial	4	3	75%	66%	0%	33%	25%	0%	0%	3	$12,008
7.0608	Word Processing	34	27	79%	3%	0%	96%	5%	2%	11%	21	$12,917
7.0699	Secretary and Related Programs	12	9	75%	88%	0%	11%	8%	16%	0%	1	$16,920
7.9999	Business and Office, Other	6	4	66%	0%	0%	100%	0%	0%	33%	6	$18,264
8.0102	Fashion Merchandising	25	14	56%	35%	7%	57%	0%	44%	0%	1	$13,992
8.0700	General Marketing	6	3	50%	33%	0%	66%	0%	0%	50%	1	$14,556
8.0705	Retailing	16	9	56%	44%	33%	22%	12%	25%	6%	8	$16,192
8.0706	Sales	2	1	50%	0%	0%	100%	0%	0%	50%	0	$0
8.1104	Tourism	18	6	33%	0%	0%	100%	5%	16%	44%	0	$0
Totals		725	475	65%	28%	2%	69%	4%	21%	7%	354	$16,313
Communications/Comm Technology												
9.0401	Journalism (Mass Communication)	13	4	30%	100%	0%	0%	0%	69%	0%	0	$0
9.9999	Communications, Other	25	4	16%	75%	25%	0%	0%	84%	0%	0	$0
10.0101	Educational Media Technology	18	1	5%	100%	0%	0%	5%	88%	0%	0	$0

Placement Results for 1988-89 Associate's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Communications/Comm Technology (Cont.)												
10.0199	Communication Technology, Other	5	2	40%	0%	0%	100%	0%	40%	20%	2	$16,620
Totals		61	11	18%	72%	9%	18%	1%	78%	1%	2	$16,620
Computer Science												
11.0101	Computer and Information Science	5	4	80%	0%	0%	100%	0%	0%	20%	5	$16,736
11.0201	Computer Programming	21	10	47%	40%	0%	60%	9%	38%	4%	11	$16,741
11.0301	Data Processing	2	1	50%	100%	0%	0%	0%	0%	50%	2	$9,336
Totals		28	15	53%	33%	0%	66%	7%	28%	10%	18	$15,917
Cosmetology/Manicuring												
12.0403	Cosmetology	2	2	100%	100%	0%	0%	0%	0%	0%	0	$0
Totals		2	2	100%	100%	0%	0%	0%	0%	0%	0	$0
Education												
13.1307	Health Education	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
Totals		1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
Engineering/Related Technology												
14.0101	Engineering, General	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
14.0801	Civil Engineering	20	18	90%	72%	27%	0%	5%	5%	0%	10	$18,000
14.0901	Computer Engineering	3	2	66%	100%	0%	0%	0%	33%	0%	2	$15,500
14.1001	Electrical/Electronics/Comm.	29	17	58%	64%	35%	0%	13%	27%	0%	12	$19,248
14.1901	Mechanical Engineering	25	16	64%	75%	25%	0%	0%	36%	0%	11	$18,912
15.0101	Architectural Design Technology	33	10	30%	80%	0%	20%	9%	54%	6%	8	$16,938
15.0201	Civil Technology	23	8	34%	100%	0%	0%	4%	60%	0%	0	$0
15.0202	Drafting and Design Technology	78	48	61%	54%	0%	45%	1%	30%	5%	39	$18,830
15.0203	Surveying and Mapping Technology	10	4	40%	100%	0%	0%	0%	60%	0%	0	$0
15.0301	Computer Technology	14	6	42%	0%	0%	100%	0%	0%	57%	9	$17,244
15.0302	Electrical Technology	7	4	57%	0%	0%	100%	14%	28%	0%	4	$17,958
15.0303	Electronic Technology	59	24	40%	45%	12%	41%	6%	47%	5%	18	$22,545
15.0399	Electrical/Electronic Techn, Other	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
15.0401	Biomedical Equipment Technology	6	58	966%	0%	0%	100%	0%	0%	16%	5	$16,104
15.0501	Air Cond./Heat/Refrig. Technology	35	23	65%	69%	8%	21%	8%	25%	0%	14	$16,370
15.0504	Sanitation Technology	3	0	0%	0%	0%	0%	0%	100%	0%	0	$0
15.0603	Industrial Technology	18	15	83%	20%	0%	80%	0%	11%	0%	8	$22,944
15.0604	Manufacturing Technology	6	5	83%	20%	20%	60%	0%	16%	0%	5	$23,866
15.0607	Plastic Technology	18	1	5%	100%	0%	0%	0%	94%	0%	0	$0
15.0610	Welding Technology	24	3	12%	66%	0%	33%	0%	87%	0%	1	$34,260

Placement Results for 1988-89 Associate's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Engineering/Related Technology (Cont.)												
15.0699	Industrial Production, Other	47	20	42%	90%	10%	0%	2%	53%	2%	11	$16,293
15.0702	Quality Control Technology	6	4	66%	0%	0%	100%	16%	0%	16%	4	$21,852
15.0801	Aeronautical Technology	1	0	0%	0%	0%	0%	0%	0%	100%	0	$0
15.0803	Automotive Technology	121	51	42%	98%	1%	0%	3%	52%	2%	27	$17,165
15.0805	Mechanical Design Technology	7	1	14%	100%	0%	0%	0%	85%	0%	0	$0
15.0899	Mechanical Engineering Technology	19	16	84%	68%	31%	0%	10%	5%	0%	14	$19,104
15.0900	Mining and Petroleum Technology	3	3	100%	100%	0%	0%	0%	0%	0%	2	$16,860
Totals		617	357	57%	56%	8%	35%	4%	42%	3%	204	$18,778
Health Science												
17.0101	Dental Assisting	3	3	100%	66%	0%	33%	0%	0%	0%	2	$16,296
17.0102	Dental Hygiene	74	65	87%	81%	0%	18%	1%	9%	1%	22	$23,945
17.0103	Dental Laboratory Technology	17	13	76%	84%	15%	0%	11%	11%	0%	9	$12,828
17.0208	Nuclear Medical Technology	8	7	87%	85%	14%	0%	0%	12%	0%	5	$24,564
17.0209	Radiograph Medical Technology	67	64	95%	54%	0%	45%	0%	2%	1%	49	$22,889
17.0210	Respiratory Therapy Technology	26	25	96%	40%	16%	44%	0%	3%	0%	23	$22,322
17.0299	Diagnostic and Treatment Services	9	9	100%	0%	0%	100%	0%	0%	0%	9	$17,100
17.0309	Medical Laboratory Technology	10	6	60%	83%	16%	0%	0%	40%	0%	0	$0
17.0405	Mental Health/Human Services	4	1	25%	0%	100%	0%	25%	50%	0%	1	$15,000
17.0503	Medical Assisting	16	16	100%	18%	0%	81%	0%	0%	0%	16	$13,696
17.0506	Medical Records Technology	18	8	44%	100%	0%	0%	5%	50%	0%	1	$15,396
17.0701	Ophthalmic Dispensing	16	12	75%	100%	0%	0%	0%	25%	0%	7	$15,480
17.0705	Ophthalmic Technology	15	14	93%	100%	0%	0%	0%	6%	0%	6	$15,192
18.1101	Nursing, General	188	156	82%	47%	2%	50%	0%	4%	12%	137	$24,316
Totals		471	399	84%	58%	3%	38%	1%	8%	5%	287	$22,184
Home Economics/Vocational												
19.0503	Dietetics/Human Nutrition Services	2	1	50%	0%	0%	100%	0%	0%	50%	2	$9,750
20.0102	Child Development, Care & Guidance	14	5	35%	100%	0%	0%	0%	57%	7%	1	$11,000
20.0201	Child Care and Guidance Management	24	11	45%	100%	0%	0%	12%	37%	4%	0	$0
20.0202	Child Care Aid/Assisting	17	13	76%	7%	0%	92%	5%	17%	0%	7	$12,571
20.0401	Food Production Management	3	3	100%	100%	0%	0%	0%	0%	0%	3	$15,600
20.0406	Food Services	39	7	17%	71%	0%	28%	0%	79%	2%	4	$18,066
Totals		99	40	40%	62%	0%	37%	4%	51%	4%	17	$13,974
Law												
22.0103	Legal Assisting	18	2	11%	100%	0%	0%	5%	83%	0%	1	$16,500
Totals		18	2	11%	100%	0%	0%	5%	83%	0%	1	$16,500

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Placement Results for 1988-89 Associate's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Liberal Studies												
24.0101	Liberal/General Studies	261	69	26%	30%	2%	66%	8%	50%	13%	14	$19,094
Totals		261	69	26%	30%	2%	66%	8%	50%	13%	14	$19,094
Interdisciplinary Studies												
30.0101	Biological and Physical Sciences	40	0	0%	0%	0%	0%	0%	100%	0%	0	$0
Totals		40	0	0%	0%	0%	0%	0%	100%	0%	0	$0
Leisure and Recreational Activities												
36.0109	Travel	7	6	85%	0%	0%	100%	0%	14%	0%	4	$9,216
Totals		7	6	85%	0%	0%	100%	0%	14%	0%	4	$9,216
Science Technology												
41.0301	Chemical Technology	11	8	72%	87%	12%	0%	0%	27%	0%	8	$20,028
Totals		11	8	72%	87%	12%	0%	0%	27%	0%	8	$20,028
Psychology												
42.0101	Psychology, General	7	4	57%	100%	0%	0%	0%	42%	0%	0	$0
Totals		7	4	57%	100%	0%	0%	0%	42%	0%	0	$0
Protective Services and Public Affairs												
43.0103	Criminal Justice Administration	10	8	80%	0%	0%	100%	0%	0%	20%	4	$20,640
43.0107	Law Enforcement	26	20	76%	65%	5%	30%	15%	0%	7%	20	$18,583
43.0199	Criminal Justice, Other	9	6	66%	50%	50%	0%	11%	22%	0%	2	$15,600
43.0201	Fire Control and Safty Technology	8	4	50%	0%	0%	100%	12%	0%	37%	4	$19,992
44.0701	Social Work	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
Totals		54	38	70%	42%	10%	47%	11%	5%	12%	30	$18,846
Trade and Industrial Technology												
47.0603	Automotive Body Repair	2	2	100%	0%	0%	100%	0%	0%	0%	2	$18,036
47.0604	Automotive Mechanic	11	6	54%	50%	0%	50%	9%	18%	18%	3	$20,040
47.0607	Engine Repair	12	7	58%	42%	0%	57%	0%	16%	25%	7	$19,966
48.0203	Commercial Art	5	2	40%	100%	0%	0%	0%	20%	40%	2	$15,600
48.0204	Commercial Photography	5	4	80%	0%	0%	100%	0%	20%	0%	3	$18,480
48.0502	Foundry Work	2	2	100%	0%	0%	100%	0%	0%	0%	2	$23,580

Placement Results for 1988-89 Associate's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Trade and Industrial Technology (Cont.)												
48.0503	Machine Tool Operation	4	3	75%	0%	0%	100%	0%	25%	0%	3	$19,416
Totals		41	26	63%	30%	0%	69%	2%	17%	17%	22	$19,455
MISSING GROUP 49												
49.0102	Airplane Piloting and Navigation	8	6	75%	50%	16%	33%	0%	25%	0%	6	$19,868
49.0302	Water Transportation	1	1	100%	0%	100%	0%	0%	0%	0%	1	$30,780
Totals		9	7	77%	42%	28%	28%	0%	22%	0%	7	$21,427
Visual and Performing Art												
50.0402	Graphic Design	6	2	33%	0%	0%	100%	16%	0%	50%	0	$0
50.0403	Illustration Design	6	1	16%	0%	0%	100%	16%	0%	50%	0	$0
50.0701	Fine Arts, General	2	0	0%	0%	0%	0%	0%	100%	0%	0	$0
50.0801	Graphic Arts Technology	3	0	0%	0%	0%	0%	33%	66%	0%	0	$0
50.0901	Music	2	1	50%	0%	0%	100%	0%	0%	50%	0	$0
Totals		19	4	21%	0%	0%	100%	15%	21%	36%	0	$0
Grand Totals		2493	1474	59%	46%	4%	49%	4%	31%	6%	970	$18,749

BACHELOR'S GRADUATES

Table 5

Bachelor's Degrees Conferred Compared to Graduates Reported and Responding by Participating Institutions for Major Curriculum Areas 1988-89

CIP	Curriculum Area	Total * Degrees Conferred Public	Total ** Number of Grads Reported	Percent of Conferred	Total ** Number of Grads Responding	Percent of Conferred	Percent of Reported
1	Agribusiness	414	373	90%	242	58%	64%
2	Agricultural Sciences	126	73	57%	50	39%	68%
3	Renewable Natural Resources	143	88	61%	61	42%	69%
4	Architecture	430	153	35%	95	22%	62%
5	Area And Ethnic Studies	70	20	28%	8	11%	40%
6	Business and Management	8767	4707	53%	3253	37%	69%
7	Business and Office	213	83	38%	50	23%	60%
8	Marketing and Distribution	642	569	88%	359	55%	63%
9	Communications	2250	1485	66%	758	33%	51%
10	Communications Technology	81	129	>100%	84	>100%	65%
11	Computer Science	1122	667	59%	443	39%	66%
12	Consumer, Personal, Misc. Serv	0	0	0%	0	0%	0%
13	Education	3191	1362	42%	851	26%	62%
14	Engineering	3679	2969	80%	1931	52%	65%
15	Engineering Related Technology	917	455	49%	319	34%	70%
16	Foreign Language	415	216	52%	156	37%	72%
17	Allied Health	744	402	54%	230	30%	57%
18	Health Sciences	2323	1270	54%	752	32%	59%
19	Home Economics	590	463	78%	246	41%	53%
20	Vocational Home Economics	196	50	25%	30	15%	60%
21	Industrial Arts	0	67	0%	41	0%	61%
22	Law	50	137	>100%	57	>100%	41%
23	Letters	1854	920	49%	661	35%	71%
24	Liberal Studies	934	268	28%	119	12%	44%
25	Library Sciences	2	1	50%	0	0%	0%
26	Life Sciences	1353	761	56%	488	36%	64%
27	Mathematics	602	295	49%	199	33%	67%
30	Interdisciplinary Studies	472	387	81%	230	48%	59%
31	Parks and Recreation	160	166	>100%	93	58%	56%
34	Health Related Activities	0	2	0%	2	0%	100%
36	Leisure/Recreational Activitie	15	9	60%	16	>100%	>100%
38	Philosophy and Religion	169	48	28%	52	30%	>100%
39	Theology	111	10	9%	7	6%	70%
40	Physical Sciences	600	320	53%	208	34%	65%
41	Science Technology	2	0	0%	0	0%	0%
42	Psychology	1796	817	45%	519	28%	63%
43	Protective Services	750	613	81%	388	51%	63%
44	Public Affairs	732	440	60%	277	37%	62%
45	Social Sciences	3588	1412	39%	982	27%	69%
46	Construction Trades	1	0	0%	0	0%	0%
47	Mechanics and Repairers	2	0	0%	0	0%	0%
48	Precision Production	52	0	0%	0	0%	0%
49	Transportation and Material Mo	4	4	100%	3	75%	75%
50	Visual and Performing Arts	1296	584	45%	334	25%	57%
	Totals/Averages	40858	22795	55%	14594	35%	64%

* Data from Michigan Department of Education

** Data from institutions responding to this survey

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Table 6

Placement Results for 1988-89 Bachelor's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Unemployed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Agribus/AgriSci/RenewNatRes												
1.0103	Agricultural Economics	67	58	86%	74%	25%	0%	8%	4%	0%	46	$22,500
1.0601	Horticulture	17	11	64%	81%	18%	0%	17%	17%	0%	10	$18,816
1.9900	Agribusiness, Other	7	7	100%	100%	0%	0%	0%	0%	0%	4	$23,184
1.9999	Packaging	151	111	73%	77%	22%	0%	19%	6%	0%	96	$27,720
2.0201	Animal Sciences	26	14	53%	100%	0%	0%	11%	34%	0%	4	$21,372
2.0301	Food Sciences	17	14	82%	100%	0%	0%	11%	5%	0%	13	$22,452
2.0501	Soil Sciences	7	5	71%	80%	20%	0%	28%	0%	0%	4	$18,300
3.0101	Resource Development	14	10	71%	90%	10%	0%	21%	7%	0%	6	$29,497
3.0302	Fisheries	5	3	60%	33%	66%	0%	0%	20%	20%	2	$16,980
3.0501	Soil Sciences	20	14	70%	78%	21%	0%	5%	25%	0%	0	$0
3.0601	Wildlife Management	22	12	54%	83%	16%	0%	13%	31%	0%	4	$18,924
Totals		353	259	73%	80%	19%	0%	14%	11%	0%	189	$24,943
Architecture												
4.0201	Architecture	31	28	90%	67%	32%	0%	9%	9%	3%	20	$22,877
4.0301	Land Use Analysis	16	13	81%	92%	7%	0%	12%	6%	6%	4	$19,674
4.0501	Interior Design	28	22	78%	81%	18%	0%	17%	3%	0%	20	$17,134
4.0601	Landscape Architecture	20	15	75%	100%	0%	0%	15%	10%	0%	15	$20,640
Totals		95	78	82%	82%	17%	0%	13%	7%	2%	59	$20,144
Area and Ethnic Studies												
5.0102	American Studies	1	0	0%	0%	0%	0%	100%	0%	0%	0	$0
5.0103	Asian Studies	2	1	50%	0%	100%	0%	0%	50%	0%	1	$24,996
5.0110	Russian and Slavic Studies	1	0	0%	0%	0%	0%	0%	0%	100%	0	$0
5.0701	Area Studies, Other	4	3	75%	100%	0%	0%	25%	0%	0%	0	$0
Totals		8	4	50%	75%	25%	0%	25%	12%	12%	1	$24,996
Business/Office Marketing												
6.0101	Business and Management, General	256	226	88%	70%	10%	18%	5%	5%	3%	173	$22,896
6.0201	Accounting	719	615	85%	79%	10%	10%	7%	5%	2%	461	$23,529
6.0301	Banking and Finance	357	268	75%	91%	8%	0%	13%	10%	2%	167	$22,959
6.0401	Business Admin. and Management, Gen	756	582	76%	75%	17%	7%	14%	6%	3%	301	$22,012
6.0402	Material Management and Purchasing	100	85	85%	83%	16%	0%	14%	1%	0%	73	$25,932
6.0404	Systems Efficiency Analysis	6	5	83%	60%	40%	0%	16%	0%	16%	3	$23,364
6.0499	Business Admin./Management, Other	28	26	92%	92%	7%	0%	0%	3%	3%	18	$22,724
6.0501	Business Economics	115	81	70%	62%	37%	0%	2%	8%	6%	75	$18,313
6.0601	Human Resources Development	13	8	61%	62%	37%	0%	15%	23%	0%	7	$19,596
6.0701	Institutional Management	99	93	93%	35%	64%	0%	2%	3%	1%	75	$20,204
6.0705	Transportation Management	11	9	81%	66%	33%	0%	18%	0%	0%	9	$23,940
6.0799	Institutional Management, Other	6	5	83%	0%	0%	100%	0%	16%	0%	1	$13,512

Placement Results for 1988-89 Bachelor's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Business/Office Marketing (Cont.)												
6.0801	Insurance and Risk Management	12	9	75%	100%	0%	0%	25%	0%	0%	5	$19,524
6.0901	International Business Management	18	10	55%	70%	30%	0%	22%	5%	11%	0	$0
6.1101	Labor/Industrial Relations	2	1	50%	100%	0%	0%	50%	0%	0%	1	$50,004
6.1201	Management Information Systems	41	37	90%	78%	21%	0%	9%	0%	0%	20	$25,380
6.1302	Operations Research	49	41	83%	90%	9%	0%	12%	4%	0%	35	$25,776
6.1399	Management Science	67	49	73%	91%	4%	4%	5%	7%	13%	25	$24,156
6.1401	Marketing Management	414	345	83%	77%	15%	6%	11%	4%	3%	232	$21,606
6.1499	Marketing Management, Other	20	19	95%	78%	21%	0%	0%	0%	5%	12	$16,108
6.1601	Personnel Management	29	19	65%	68%	31%	0%	34%	0%	0%	9	$22,008
6.1701	Real Estate	8	8	100%	87%	12%	0%	0%	0%	0%	4	$17,880
6.1801	Small Business Management	8	7	87%	71%	28%	0%	0%	0%	12%	0	$0
6.2001	Trade and Industrial Management	115	107	93%	75%	24%	0%	6%	0%	14%	232	$5,515
6.9999	Business and Management, Other	4	3	75%	33%	66%	0%	25%	0%	0%	3	$26,332
7.0101	Accounting and Bookkeeping	2	2	100%	100%	0%	0%	0%	0%	0%	0	$0
7.0401	Office Supervision and Management	30	22	73%	81%	13%	4%	20%	0%	3%	9	$18,677
7.0601	Secretarial and Related Programs	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
7.0602	Court Reporting	2	2	100%	100%	0%	0%	0%	0%	0%	0	$0
7.0603	Executive Secretarial	1	1	100%	100%	0%	0%	0%	0%	0%	1	$18,996
7.0604	Legal Secretarial	11	9	81%	88%	0%	11%	18%	0%	0%	7	$19,572
7.0608	Word Processing	3	3	100%	100%	0%	0%	0%	0%	0%	3	$19,224
8.0102	Fashion Merchandising	54	43	79%	81%	18%	0%	7%	18%	11%	28	$18,972
8.0201	Business Marketing	131	98	74%	74%	25%	0%	19%	4%	1%	84	$23,640
8.0702	Industrial Sales	19	18	94%	44%	55%	0%	5%	0%	0%	18	$23,736
8.0705	Retailing	14	11	78%	90%	9%	0%	21%	0%	0%	8	$14,592
8.0706	Sales	31	26	83%	88%	11%	0%	12%	3%	0%	15	$23,016
8.0901	Hospitality/Recreational Marketing	17	17	100%	52%	47%	0%	0%	0%	0%	11	$19,668
8.0903	Marketing of Recreation Services	52	50	96%	24%	76%	0%	0%	1%	1%	24	$15,684
8.0999	Hospitality and Recreation, Other	29	26	89%	65%	34%	0%	6%	3%	0%	8	$20,280
8.1104	Tourism	12	10	83%	100%	0%	0%	8%	0%	8%	8	$17,688
Totals		3662	2997	81%	75%	18%	6%	10%	5%	3%	2165	$20,589
Communications/Comm Technology												
9.0101	Communications	334	231	69%	79%	19%	0%	18%	7%	5%	166	$20,605
9.0201	Advertising	188	129	68%	82%	17%	0%	25%	5%	0%	72	$19,755
9.0401	Journalism (Mass Communication)	105	79	75%	84%	15%	0%	14%	16%	6%	48	$18,271
9.0501	Public Relations	11	9	81%	88%	11%	0%	18%	9%	0%	3	$21,664
9.0701	Telecommunications	120	84	70%	84%	15%	0%	24%	6%	2%	44	$18,310
10.0104	Radio/TV Production	43	29	67%	79%	20%	0%	16%	6%	9%	15	$19,632
10.0199	Communication Technology, Other	41	30	73%	56%	43%	0%	21%	4%	0%	18	$25,525
Totals		842	591	70%	80%	19%	0%	20%	7%	4%	366	$20,067

Placement Results for 1988-89 Bachelor's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Computer Science												
11.0101	Computer and Information Science	276	221	80%	76%	23%	0%	9%	17%	4%	160	$27,068
11.0201	Computer Programming	15	13	86%	0%	0%	100%	6%	6%	0%	12	$19,920
11.0301	Data Processing	4	3	75%	100%	0%	0%	0%	0%	25%	1	$20,004
11.0401	Information Sciences	51	47	92%	87%	8%	4%	1%	3%	3%	42	$26,334
11.0501	Systems Analysis	10	7	70%	71%	28%	0%	10%	20%	0%	7	$23,501
11.9999	Computer/Information Science, Other	87	71	81%	81%	18%	0%	9%	6%	2%	52	$24,036
Totals		443	362	81%	75%	19%	4%	8%	13%	3%	274	$25,950
Education												
13.0101	Education, General	1	0	0%	0%	0%	0%	100%	0%	0%	0	$0
13.1001	Special Education, General	21	15	71%	100%	0%	0%	23%	4%	0%	11	$20,496
13.1003	Education of the Deaf	8	6	75%	100%	0%	0%	0%	0%	25%	4	$21,204
13.1005	Educ. of Emotionally Handicapped	46	36	78%	72%	22%	5%	2%	6%	13%	26	$20,942
13.1006	Education of Mentally Handicapped	27	20	74%	75%	15%	10%	3%	14%	7%	12	$19,452
13.1008	Education, Physically Handicapped	13	10	76%	80%	20%	0%	0%	15%	7%	8	$19,740
13.1009	Education of Visually Handicapped	2	1	50%	0%	100%	0%	0%	50%	0%	1	$21,504
13.1012	Speech Correction	26	12	46%	100%	0%	0%	3%	42%	11%	10	$21,492
13.1202	Elementary Education	329	171	51%	87%	12%	0%	18%	17%	12%	98	$18,412
13.1204	Pre-Elementary Education	12	5	41%	100%	0%	0%	8%	25%	25%	4	$17,016
13.1205	Secondary Education	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
13.1301	Agricultural Education	2	1	50%	100%	0%	0%	50%	0%	0%	1	$20,004
13.1302	Art Education	23	9	39%	88%	11%	0%	13%	34%	17%	8	$20,280
13.1303	Business Education	22	18	81%	100%	0%	0%	4%	4%	13%	15	$21,042
13.1305	English Education	33	21	63%	90%	9%	0%	3%	15%	18%	15	$15,996
13.1306	Foreign Language Education	1	1	100%	100%	0%	0%	0%	0%	0%	1	$21,000
13.1307	Health Education	7	1	14%	100%	0%	0%	42%	42%	0%	0	$0
13.1308	Home Economics Education	9	3	33%	66%	33%	0%	44%	22%	22%	3	$19,668
13.1309	Industrial Arts Education	9	7	77%	100%	0%	0%	11%	11%	11%	5	$23,844
13.1310	Marketing & Distributive Education	34	16	47%	93%	6%	0%	8%	20%	23%	11	$23,462
13.1311	Mathematics Education	9	6	66%	66%	33%	0%	0%	0%	33%	5	$20,280
13.1312	Music Education	18	13	72%	84%	15%	0%	0%	5%	22%	5	$20,309
13.1314	Physical Education	80	50	62%	68%	26%	6%	12%	13%	12%	31	$17,697
13.1316	Science Education	42	21	50%	80%	19%	0%	9%	21%	16%	19	$19,920
13.1317	Social Science Education	55	30	54%	80%	20%	0%	3%	21%	21%	18	$20,733
13.1318	Social Studies Education	17	6	35%	100%	0%	0%	11%	5%	47%	3	$18,417
13.1320	Trade & Industrial Education	1	1	100%	100%	0%	0%	0%	0%	0%	1	$21,996
13.1399	Teacher Education/Specific Subject	3	2	66%	100%	0%	0%	33%	0%	0%	1	$17,496
Totals		851	483	56%	84%	13%	1%	12%	16%	14%	316	$19,456

Placement Results for 1988-89 Bachelor's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Engineering/Related Technology												
14.0101	Engineering, General	103	80	77%	86%	13%	0%	2%	17%	0%	66	$27,742
14.0201	Aerospace/Aeronautical/Astronautical	64	45	70%	8%	91%	0%	23%	4%	1%	31	$30,161
14.0301	Agricultural Engineering	16	8	50%	87%	12%	0%	12%	37%	0%	5	$22,243
14.0701	Chemical Engineering	137	110	80%	63%	36%	0%	10%	10%	1%	105	$32,454
14.0801	Civil Engineering	133	99	74%	61%	38%	0%	8%	14%	4%	73	$27,619
14.0901	Computer Engineering	58	47	81%	44%	55%	0%	8%	13%	1%	34	$31,491
14.1001	Electrical/Electronics/Comm.	530	423	79%	59%	40%	0%	7%	13%	1%	316	$30,878
14.1101	Mechanics Engineering	4	1	25%	100%	0%	0%	25%	50%	0%	1	$33,000
14.1301	Engineering Science	4	2	50%	50%	50%	0%	0%	50%	0%	3	$29,700
14.1401	Environmental Health Engineering	10	9	90%	55%	44%	0%	10%	0%	0%	6	$28,872
14.1501	Geological Engineering	3	2	66%	0%	100%	0%	33%	0%	0%	2	$21,468
14.1701	Industrial Engineering	88	70	79%	58%	41%	0%	18%	3%	0%	50	$29,762
14.1801	Materials Engineering	12	8	66%	87%	12%	0%	8%	25%	0%	8	$29,580
14.1901	Mechanical Engineering	688	554	80%	74%	25%	0%	7%	11%	0%	391	$30,747
14.2001	Metallurgical Engineering	54	51	94%	66%	33%	0%	0%	9%	0%	43	$30,488
14.2101	Mining and Mineral Eng.	2	2	100%	0%	100%	0%	0%	0%	0%	2	$30,840
14.2201	Naval Architecture/Marine Engineer	2	1	50%	0%	100%	0%	0%	50%	0%	1	$27,504
14.2301	Nuclear Engineering	3	1	33%	0%	100%	0%	33%	33%	0%	1	$31,212
14.2701	Systems Science	1	1	100%	100%	0%	0%	0%	0%	0%	1	$28,668
14.9999	Engineering, Other	19	14	73%	78%	21%	0%	0%	26%	0%	7	$30,393
15.0000	Engineering & Related Technologies	20	19	95%	100%	0%	0%	0%	35%	5%	16	$34,608
15.0101	Architectural Design Technology	12	11	91%	100%	0%	0%	0%	0%	8%	5	$30,300
15.0203	Surveying and Mapping Technology	9	9	100%	88%	11%	0%	0%	0%	0%	8	$21,228
15.0301	Computer Technology	1	1	100%	100%	0%	0%	0%	0%	0%	1	$27,000
15.0303	Electronic Technology	27	24	88%	100%	0%	0%	11%	0%	0%	14	$22,698
15.0503	Energy Management Technology	13	13	100%	84%	15%	0%	0%	0%	0%	12	$29,414
15.0504	Sanitation Technology	2	0	0%	0%	0%	0%	50%	50%	0%	0	$0
15.0599	Environmental Control Tech. Other	16	14	87%	71%	28%	0%	12%	0%	0%	10	$20,592
15.0603	Industrial Technology	42	41	97%	85%	9%	4%	2%	2%	0%	19	$32,495
15.0604	Manufacturing Technology	20	20	100%	95%	5%	0%	0%	0%	0%	14	$29,004
15.0607	Plastic Technology	29	27	93%	74%	25%	0%	3%	0%	0%	22	$29,174
15.0610	Welding Technology	7	6	85%	83%	16%	0%	14%	0%	0%	5	$28,308
15.0699	Industrial Production, Other	44	39	88%	84%	15%	0%	9%	4%	0%	25	$28,113
15.0701	Occupation Safty and Health	13	13	100%	100%	0%	0%	0%	0%	0%	11	$24,456
15.0801	Aeronautical Technology	1	1	100%	0%	100%	0%	0%	0%	0%	1	$21,996
15.0803	Automotive Technology	15	10	66%	70%	30%	0%	0%	33%	0%	8	$25,608
15.0805	Mechanical Design Technology	42	36	85%	94%	2%	2%	4%	9%	2%	25	$25,658
15.0899	Mechanical Engineering Technology	6	6	100%	100%	0%	0%	0%	0%	0%	3	$27,336
Totals		2250	1818	80%	68%	30%	0%	7%	11%	1%	1345	$30,033
Foreign Language												
16.0101	Foreign Languages, Multiple Emphasis	6	3	50%	33%	66%	0%	0%	33%	16%	2	$15,000
16.0402	Russian	9	4	44%	25%	75%	0%	22%	33%	0%	4	$22,614
16.0501	German	40	26	65%	73%	23%	3%	5%	15%	7%	17	$17,216

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					Mich	Other	Unknown					
Foreign Language (Cont.)												
16.0901	French	42	23	54%	60%	39%	0%	14%	26%	2%	14	$17,854
16.0902	Italian	1	1	100%	0%	100%	0%	0%	0%	0%	1	$21,996
16.0903	Latin	2	2	100%	50%	50%	0%	0%	50%	0%	1	$10,140
16.0905	Spanish	35	18	51%	50%	44%	5%	11%	22%	11%	13	$18,374
16.9999	Language and International Trade	21	16	76%	62%	31%	6%	4%	4%	9%	11	$18,444
Totals		156	93	59%	59%	37%	3%	9%	20%	7%	63	$18,047
Health Science												
17.0206	Emergency Medical/Paramedic	3	2	66%	100%	0%	0%	0%	0%	33%	2	$20,796
17.0208	Nuclear Medical Technology	6	6	100%	66%	33%	0%	0%	0%	0%	0	$0
17.0209	Radiograph Medical Technology	11	11	100%	100%	0%	0%	0%	45%	0%	10	$23,474
17.0310	Medical Technology	38	33	86%	93%	6%	0%	0%	10%	2%	14	$22,367
17.0399	Mortuary Science	2	2	100%	100%	0%	0%	0%	0%	0%	2	$26,700
17.0499	Mental Health/Human Services	11	0	0%	0%	0%	0%	0%	90%	9%	0	$0
17.0804	Exercise Physiology	15	11	73%	72%	27%	0%	0%	26%	0%	3	$19,368
17.0806	Music Therapy	6	4	66%	25%	75%	0%	0%	0%	33%	1	$16,596
17.0807	Occupational Therapy	61	58	95%	74%	25%	0%	0%	9%	4%	56	$25,485
17.0813	Physical Therapy	58	53	91%	88%	9%	1%	0%	15%	3%	46	$27,184
17.0816	Recreational Therapy	7	7	100%	71%	28%	0%	0%	0%	0%	5	$19,157
17.9999	Allied Health (Other)	12	10	83%	90%	10%	0%	0%	8%	8%	3	$24,696
18.0103	Speech Pathology/Audiology	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
18.0199	Audiology/Speech Pathology (Other)	27	2	7%	100%	0%	0%	3%	88%	0%	1	$15,000
18.0299	Basic Clinical Health Sciences	44	29	65%	89%	6%	3%	4%	18%	9%	11	$20,689
18.0701	Health Care Administration	40	34	85%	88%	8%	2%	10%	7%	0%	24	$21,490
18.0702	Health and Society	2	1	50%	100%	0%	0%	50%	0%	0%	1	$22,000
18.0703	Medical Records Administration	23	22	95%	95%	4%	0%	0%	0%	4%	15	$20,268
18.0799	Health Science Administration	15	14	93%	100%	0%	0%	0%	0%	6%	5	$32,316
18.1101	Nursing, General	480	430	89%	93%	6%	0%	1%	10%	6%	283	$26,978
18.1201	Optometry	18	0	0%	0%	0%	0%	0%	100%	0%	0	$0
18.1301	Osteopathic Medicine	2	0	0%	0%	0%	0%	0%	100%	0%	0	$0
18.1401	Pharmacy	38	111	292%	90%	9%	0%	0%	42%	10%	54	$36,784
18.1801	Pre-Medicine	11	1	9%	100%	0%	0%	0%	90%	0%	1	$30,000
18.2401	Veterinary Medicine	37	0	0%	0%	0%	0%	0%	100%	0%	0	$0
18.9999	Health Science, Other	14	8	57%	87%	12%	0%	0%	35%	7%	2	$23,748
Totals		982	849	86%	90%	9%	0%	1%	21%	5%	539	$26,920
Home Economics/Vocational												
19.0101	Home Economics	2	2	100%	100%	0%	0%	0%	0%	0%	0	$0
19.0301	Family and Community Services	33	19	57%	84%	15%	0%	24%	18%	0%	16	$17,491
19.0401	Family/Consumer Resource Managemen	6	5	83%	80%	20%	0%	0%	0%	16%	5	$19,896
19.0501	Food Science and Human Nutrition	11	8	72%	62%	37%	0%	18%	27%	0%	6	$21,046
19.0503	Dietetics/Human Nutrition Services	36	27	75%	81%	18%	0%	2%	16%	5%	12	$20,852

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					Mich	Other	Unknown					
Home Economics/Vocational (Cont.)												
19.0601	Human Environment and Housing	11	8	72%	87%	12%	0%	9%	9%	9%	5	$23,302
19.0701	Individual and Family Development	11	8	72%	100%	0%	0%	0%	18%	18%	3	$16,164
19.0901	Textiles and Clothing	33	30	90%	80%	20%	0%	6%	3%	0%	10	$18,626
19.0903	Textiles and Clothing, Retail	103	85	82%	65%	34%	0%	14%	2%	0%	68	$18,468
20.0102	Child Development, Care & Guidance	30	23	76%	95%	0%	4%	16%	6%	0%	14	$17,700
Totals		276	215	77%	77%	22%	0%	12%	8%	2%	139	$18,782
Industrial Arts												
21.0102	Construction	41	38	92%	92%	7%	0%	4%	2%	0%	32	$25,464
Totals		41	38	92%	92%	7%	0%	4%	2%	0%	32	$25,464
Law												
22.0102	Pre-Law	50	12	24%	66%	33%	0%	8%	66%	2%	10	$20,508
22.0103	Legal Assisting	7	7	100%	100%	0%	0%	0%	0%	0%	2	$18,600
Totals		57	19	33%	78%	21%	0%	7%	57%	1%	12	$20,190
Letters												
23.0101	English, General	351	190	54%	77%	21%	1%	10%	24%	13%	100	$16,368
23.0301	Comparative Literature	1	1	100%	100%	0%	0%	0%	0%	0%	1	$15,000
23.0401	Composition	21	13	61%	69%	23%	7%	9%	4%	14%	7	$23,532
23.0601	Linguistics (Semantics/Philology)	3	1	33%	0%	100%	0%	0%	66%	0%	1	$19,500
23.0801	Literature, English	100	56	56%	39%	60%	0%	8%	27%	9%	47	$19,154
23.1001	Speech, Debate, Forensics	158	123	77%	75%	23%	0%	1%	9%	9%	78	$17,965
23.1101	Technical and Business Writing	3	2	66%	100%	0%	0%	33%	0%	0%	0	$0
23.9999	Letters, Other	24	18	75%	94%	5%	0%	12%	0%	12%	8	$18,267
Totals		661	404	61%	72%	26%	0%	8%	19%	11%	242	$17,701
Liberal Studies												
24.0101	Liberal/General Studies	27	19	70%	68%	31%	0%	11%	18%	0%	9	$28,005
24.0199	Fine Arts Studies	92	59	64%	79%	20%	0%	10%	15%	15%	41	$25,546
Totals		119	78	65%	76%	23%	0%	10%	15%	11%	50	$25,989
Life Sciences												
26.0101	Biology, General	368	155	42%	74%	23%	1%	5%	49%	8%	88	$19,087
26.0201	Biochemistry and Biophysics	35	14	40%	92%	7%	0%	5%	54%	0%	8	$24,390
26.0301	Botany	1	1	100%	0%	100%	0%	0%	0%	0%	1	$14,004

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					Mich	Other	Unknown					
Life Sciences (Cont.)												
26.0501	Microbiology	26	14	53%	71%	28%	0%	7%	23%	3%	11	$22,048
26.0603	Ecology	2	1	50%	100%	0%	0%	50%	0%	0%	1	$22,000
26.0612	Toxicology	8	6	250%	30%	70%	0%	12%	0%	0%	6	$23,760
26.0701	Zoology	18	2	11%	50%	50%	0%	33%	55%	0%	0	$0
26.0706	Physiology	28	6	21%	83%	16%	0%	0%	78%	0%	3	$25,068
26.9999	Life Sciences, Other	2	2	100%	50%	50%	0%	0%	0%	0%	1	$24,996
	Totals	488	215	44%	71%	27%	0%	6%	48%	6%	120	$20,165
Mathematics												
27.0101	Mathematics	170	99	58%	76%	23%	0%	6%	27%	11%	51	$20,651
27.0301	Applied Mathematics	12	11	91%	54%	45%	0%	8%	0%	0%	4	$27,888
27.0501	Statistics	7	6	85%	83%	16%	0%	0%	0%	14%	4	$26,889
27.9999	Math (Other)	10	5	50%	80%	20%	0%	20%	30%	0%	3	$28,812
	Totals	199	121	60%	75%	24%	0%	7%	25%	10%	62	$21,915
Interdisciplinary Studies												
30.0101	Biological and Physical Sciences	17	11	64%	81%	18%	0%	11%	17%	5%	8	$19,508
30.0401	Humanities and Social Science	180	96	53%	81%	18%	0%	19%	26%	1%	53	$20,359
30.9999	Multi-Interdisciplinary Studies	33	27	81%	29%	70%	0%	3%	9%	6%	24	$21,328
	Totals	230	134	58%	70%	29%	0%	16%	23%	2%	85	$20,552
Parks and Recreation												
31.0101	Parks and Recreation, General	25	22	88%	68%	31%	0%	12%	0%	0%	16	$19,275
31.0201	Outdoor Recreation	11	9	81%	77%	22%	0%	0%	0%	9%	9	$26,736
31.0301	Parks and Recreation Management	48	33	68%	66%	33%	0%	4%	18%	6%	7	$16,149
31.9999	Parks and Recreation, Other	9	9	100%	66%	33%	0%	0%	0%	0%	4	$17,976
	Totals	93	73	78%	68%	31%	0%	5%	9%	4%	36	$20,388
Health-Related Activities												
34.0401	Health Studies	2	2	100%	100%	0%	0%	0%	0%	0%	1	$17,004
	Totals	2	2	100%	100%	0%	0%	0%	0%	0%	1	$17,004
Leisure and Recreational Activities												
36.0108	Sports/Physical Education	16	12	75%	75%	25%	0%	0%	12%	31%	2	$9,996
	Totals	16	12	75%	75%	25%	0%	0%	12%	31%	2	$9,996

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					Mich	Other	Unknown					
Philosophy, Religion and Theology												
38.0101	Philosophy	35	16	45%	62%	37%	0%	5%	40%	8%	12	$20,933
38.0201	Religion	11	4	36%	50%	50%	0%	9%	45%	0%	1	$9,996
38.9999	Philosophy and Religion Other	6	6	100%	0%	100%	0%	0%	16%	0%	0	$0
39.0600	Theological Studies	7	4	57%	50%	50%	0%	0%	57%	0%	4	$17,004
Totals		59	30	50%	46%	53%	0%	5%	40%	5%	17	$19,365
Physical Sciences												
40.0301	Astrophysics	8	5	62%	40%	60%	0%	12%	25%	0%	1	$21,000
40.0501	Chemistry	120	58	48%	87%	12%	0%	4%	43%	5%	38	$22,631
40.0599	Chemistry, Other	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
40.0601	Geology	24	9	37%	55%	33%	11%	0%	58%	12%	5	$15,562
40.0703	Earth Science	12	10	83%	80%	20%	0%	0%	16%	0%	8	$18,129
40.0801	Physics, General	39	17	43%	88%	11%	0%	7%	53%	2%	12	$24,414
40.9999	Physical Sciences, Other	4	4	100%	75%	25%	0%	0%	0%	0%	3	$22,380
Totals		208	103	49%	81%	17%	0%	4%	44%	4%	67	$21,850
Psychology												
42.0101	Psychology, General	514	273	53%	73%	25%	0%	11%	33%	7%	168	$18,161
42.0901	Industrial & Org. Psychology	5	2	40%	100%	0%	0%	40%	0%	20%	2	$20,244
Totals		519	275	52%	74%	25%	0%	11%	33%	7%	170	$18,185
Protective Services and Public Affairs												
43.0101	Correctional Adminstration	207	123	59%	44%	10%	44%	24%	0%	17%	39	$22,260
43.0103	Criminal Justice Administration	38	31	81%	93%	6%	0%	13%	0%	5%	8	$21,912
43.0104	Criminal Justice Studies	92	61	66%	88%	11%	0%	5%	13%	17%	38	$20,180
43.0105	Criminal Justice Technology	26	20	76%	95%	5%	0%	15%	7%	0%	12	$24,576
43.0107	Law Enforcement	86	68	79%	92%	7%	0%	19%	0%	1%	24	$19,872
43.0109	Security Services	35	9	25%	66%	33%	0%	8%	65%	0%	7	$22,668
43.0199	Criminal Justice, Other	4	2	50%	100%	0%	0%	0%	50%	0%	1	$19,500
44.0101	Public Affairs	18	13	72%	100%	0%	0%	27%	0%	0%	9	$21,780
44.0201	Community Service	25	8	32%	100%	0%	0%	4%	56%	4%	6	$18,864
44.0401	Public Administration	32	21	65%	71%	28%	0%	9%	15%	9%	17	$20,067
44.0701	Social Work	202	121	59%	90%	7%	2%	10%	23%	6%	62	$17,576
Totals		665	477	71%	78%	9%	12%	44%	15%	8%	223	$20,181

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					Mich	Other	Unknown					
Social Sciences												
45.0101	Social Science	133	86	64%	76%	23%	0%	18%	15%	2%	52	$22,416
45.0201	Anthropology	26	7	26%	57%	42%	0%	26%	46%	3%	5	$16,547
45.0401	Criminology	30	25	83%	88%	8%	4%	0%	10%	3%	24	$22,036
45.0501	Demography	12	5	41%	100%	0%	0%	8%	66%	50%	5	$18,360
45.0601	Economics	201	142	70%	57%	42%	0%	7%	20%	2%	99	$24,442
45.0701	Geography	18	9	50%	88%	11%	0%	11%	38%	11%	7	$16,886
45.0801	History	193	101	52%	59%	40%	0%	7%	30%	11%	59	$20,095
45.1001	Political Science and Government	238	111	46%	53%	46%	0%	7%	40%	10%	78	$21,670
45.1101	Sociology	121	64	52%	71%	25%	3%	5%	28%	11%	56	$15,992
45.9999	Social Sciences, Other	10	3	30%	33%	66%	0%	0%	70%	0%	1	$5,796
Totals		982	553	56%	63%	35%	0%	8%	29%	8%	386	$21,203
MISSING GROUP 49												
49.0104	Aviation Management	3	3	100%	100%	0%	0%	0%	0%	0%	2	$32,496
Totals		3	3	100%	100%	0%	0%	0%	0%	0%	2	$32,496
Visual and Performing Art												
50.0301	Dance	3	1	33%	100%	0%	0%	0%	33%	33%	0	$0
50.0401	Design, General	4	2	50%	100%	0%	0%	0%	25%	25%	2	$15,252
50.0402	Graphic Design	15	13	86%	84%	15%	0%	6%	6%	0%	4	$19,500
50.0501	Dramatic Arts	78	65	83%	92%	7%	0%	3%	8%	6%	41	$18,884
50.0601	Film Arts, General	8	6	75%	100%	0%	0%	12%	0%	12%	2	$15,996
50.0605	Photography	2	2	100%	100%	0%	0%	0%	0%	0%	0	$0
50.0701	Fine Arts, General	135	79	58%	69%	29%	1%	15%	17%	8%	46	$15,953
50.0703	Art History and Appreciation	18	10	55%	80%	20%	0%	5%	50%	0%	5	$18,780
50.0704	Arts Management	2	2	100%	0%	100%	0%	0%	0%	0%	2	$19,500
50.0799	Fine Arts, Other	17	10	58%	80%	20%	0%	11%	41%	29%	6	$16,956
50.0901	Music	30	24	80%	54%	45%	0%	0%	20%	10%	14	$15,311
50.0903	Applied Music	21	8	38%	87%	0%	12%	4%	47%	9%	3	$18,256
50.0904	Music Therapy	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
Totals		334	222	66%	77%	21%	0%	8%	20%	8%	125	$17,219
Grand Totals		14594	10508	72%	75%	21%	2%	11%	15%	5%	7088	$22,923

MASTER'S GRADUATES

Table 7

Master's Degrees Conferred Compared to Graduates Reported and Responding by Participating Institutions for Major Curriculum Areas 1988-89

CIP	Curriculum Area	Total * Degrees Conferred Public	Total ** Number of Grads Reported	Percent of Conferred	Total ** Number of Grads Responding	Percent of Conferred	Percent of Reported
1	Agribusiness	44	44	100%	29	65%	65%
2	Agricultural Sciences	46	44	95%	25	54%	56%
3	Renewable Natural Resources	69	35	50%	29	42%	82%
4	Architecture	139	24	17%	16	11%	66%
5	Area And Ethnic Studies	63	0	0%	2	3%	0%
6	Business and Management	3687	851	23%	533	14%	62%
7	Business and Office	0	0	0%	0	0%	0%
8	Marketing and Distribution	44	111	>100%	57	>100%	51%
9	Communications	209	124	59%	67	32%	54%
10	Communications Technology	0	10	0%	3	0%	30%
11	Computer Science	241	84	34%	50	20%	59%
12	Consumer, Personal, Misc. Serv	0	0	0%	0	0%	0%
13	Education	3205	1589	49%	1024	31%	64%
14	Engineering	1106	961	86%	342	30%	35%
15	Engineering Related Technology	74	75	>100%	59	79%	78%
16	Foreign Language	51	25	49%	14	27%	56%
17	Allied Health	103	29	28%	19	18%	65%
18	Health Sciences	557	152	27%	80	14%	52%
19	Home Economics	96	67	69%	46	47%	68%
20	Vocational Home Economics	4	1	25%	1	25%	100%
21	Industrial Arts	0	0	0%	0	0%	0%
22	Law	39	20	51%	3	7%	15%
23	Letters	212	116	54%	66	31%	56%
24	Liberal Studies	8	0	0%	1	12%	0%
25	Library Sciences	169	15	8%	10	5%	66%
26	Life Sciences	180	69	38%	33	18%	47%
27	Mathematics	140	55	39%	31	22%	56%
30	Interdisciplinary Studies	18	9	50%	7	38%	77%
31	Parks and Recreation	30	13	43%	8	26%	61%
34	Health Related Activities	0	0	0%	0	0%	0%
36	Leisure/Recreational Activitie	0	0	0%	0	0%	0%
38	Philosophy and Religion	71	16	22%	7	9%	43%
39	Theology	108	0	0%	0	0%	0%
40	Physical Sciences	196	90	45%	41	20%	45%
41	Science Technology	0	0	0%	0	0%	0%
42	Psychology	242	118	48%	71	29%	60%
43	Protective Services	27	34	>100%	28	>100%	82%
44	Public Affairs	859	278	32%	149	17%	53%
45	Social Sciences	353	133	37%	64	18%	48%
46	Construction Trades	0	0	0%	0	0%	0%
47	Mechanics and Repairers	0	0	0%	0	0%	0%
48	Precision Production	0	0	0%	0	0%	0%
49	Transportation and Material Mo	0	0	0%	0	0%	0%
50	Visual and Performing Arts	336	102	30%	53	15%	51%
	Totals/Averages	12726	5294	41%	2968	23%	56%

* Data from Michigan Department of Education

** Data from institutions responding to this survey

Placement Results for 1988-89 Master's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Agribus/AgriSci/RenewNatRes												
1.0103	Agricultural Economics	7	5	71%	80%	20%	0%	0%	28%	0%	2	$42,900
1.9900	Agribusiness, Other	9	7	77%	100%	0%	0%	11%	11%	0%	6	$25,860
1.9999	Packaging	13	11	84%	81%	18%	0%	0%	15%	0%	4	$37,728
2.0201	Animal Sciences	8	3	37%	66%	33%	0%	0%	62%	0%	2	$23,004
2.0301	Food Sciences	6	3	50%	100%	0%	0%	16%	33%	0%	3	$29,004
2.0402	Agronomy	5	3	60%	66%	33%	0%	0%	40%	0%	3	$33,000
2.0403	Horticulture Science	6	1	16%	100%	0%	0%	0%	83%	0%	1	$21,504
3.0101	Resource Development	6	4	66%	75%	25%	0%	16%	16%	0%	2	$28,446
3.0501	Soil Sciences	12	9	75%	44%	55%	0%	8%	16%	0%	0	$0
3.0601	Wildlife Management	11	7	63%	100%	0%	0%	9%	27%	0%	2	$18,900
Totals		83	53	63%	79%	20%	0%	6%	30%	0%	25	$29,604
Architecture												
4.0201	Architecture	2	2	100%	50%	50%	0%	0%	0%	0%	2	$28,998
4.0301	Land Use Analysis	8	7	87%	71%	28%	0%	0%	0%	12%	1	$27,504
4.0701	Urban Design	6	3	50%	33%	66%	0%	0%	0%	50%	3	$33,828
Totals		16	12	75%	58%	41%	0%	0%	0%	25%	6	$31,164
Area and Ethnic Studies												
5.0101	African Studies	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
5.0103	Asian Studies	1	1	100%	0%	100%	0%	0%	0%	0%	1	$29,004
Totals		2	2	100%	50%	50%	0%	0%	0%	0%	1	$29,004
Business/Office Marketing												
6.0101	Business and Management, General	14	13	92%	92%	0%	7%	0%	0%	7%	8	$30,648
6.0201	Accounting	16	16	100%	81%	12%	6%	0%	0%	0%	9	$26,489
6.0301	Banking and Finance	49	38	77%	94%	0%	5%	16%	6%	0%	28	$35,618
6.0401	Business Admin. and Management, Gen	310	294	94%	93%	5%	0%	0%	0%	4%	198	$41,586
6.0402	Material Management and Purchasing	7	6	85%	100%	0%	0%	14%	0%	0%	6	$33,300
6.0601	Human Resources Development	10	8	80%	87%	12%	0%	20%	0%	0%	7	$35,124
6.0701	Institutional Management	6	4	66%	25%	75%	0%	33%	0%	0%	1	$24,996
6.0705	Transportation Management	2	2	100%	100%	0%	0%	0%	0%	0%	2	$33,504
6.0901	International Business Management	1	1	100%	0%	100%	0%	0%	0%	0%	1	$20,004
6.1101	Labor/Industrial Relations	46	38	82%	76%	23%	0%	8%	6%	2%	27	$36,622
6.1302	Operations Research	13	12	92%	83%	16%	0%	0%	7%	0%	12	$36,396
6.1399	Management Science	34	33	97%	90%	9%	0%	0%	2%	0%	30	$44,697
6.1401	Marketing Management	4	4	100%	100%	0%	0%	0%	0%	0%	3	$24,744
6.1501	Organizational Behavior	8	8	100%	62%	12%	25%	0%	0%	0%	5	$33,504
6.1901	Taxation	7	7	100%	85%	0%	14%	0%	0%	0%	3	$24,756
6.9999	Business and Management, Other	6	6	100%	33%	66%	0%	0%	0%	0%	6	$39,856

Placement Results for 1988-89 Master's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Unemployed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Business/Office Marketing (Cont.)												
8.0201	Business Marketing	38	29	76%	79%	20%	0%	18%	5%	0%	20	$33,852
8.0703	Industrial Marketing	19	15	78%	26%	33%	40%	10%	0%	10%	7	$22,824
Totals		590	534	90%	87%	10%	2%	4%	1%	3%	373	$38,689
Communications/Comm Technology												
9.0101	Communications	26	20	76%	70%	30%	0%	0%	11%	11%	10	$38,732
9.0201	Advertising	20	19	95%	68%	31%	0%	5%	0%	0%	11	$30,792
9.0401	Journalism (Mass Communication)	7	7	100%	71%	28%	0%	0%	0%	0%	5	$26,604
9.0501	Public Relations	5	4	80%	100%	0%	0%	20%	0%	0%	2	$34,248
9.0701	Telecommunications	9	5	55%	80%	20%	0%	33%	11%	0%	4	$25,752
10.0199	Communication Technology, Other	3	3	100%	66%	33%	0%	0%	0%	0%	0	$0
Totals		70	58	82%	72%	27%	0%	7%	5%	4%	32	$32,205
Computer Science												
11.0101	Computer and Information Science	35	17	48%	82%	17%	0%	14%	11%	31%	10	$37,766
11.0401	Information Sciences	14	11	78%	90%	0%	9%	7%	7%	0%	9	$27,072
11.9999	Computer/Information Science, Other	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
Totals		50	29	58%	86%	10%	3%	12%	10%	22%	19	$32,701
Education												
13.0101	Education, General	43	40	93%	92%	7%	0%	4%	2%	0%	23	$30,609
13.0301	Curriculum and Instruction	113	97	85%	98%	1%	0%	5%	6%	2%	69	$30,167
13.0401	Education Administration	141	130	92%	96%	1%	1%	2%	3%	2%	108	$35,431
13.0405	Elem. and Sec. Education Admin.	11	10	90%	100%	0%	0%	0%	0%	9%	0	$0
13.0406	Higher Education Administration	14	11	78%	100%	0%	0%	7%	14%	0%	5	$21,804
13.0501	Instructional Technology	15	15	100%	86%	13%	0%	0%	13%	0%	10	$33,996
13.0801	School Psychology	27	21	77%	100%	0%	0%	3%	3%	14%	15	$31,992
13.0901	Social Foundations	13	11	84%	90%	0%	9%	0%	7%	7%	9	$41,220
13.1001	Special Education, General	68	61	89%	98%	1%	0%	4%	1%	2%	30	$29,018
13.1003	Education of the Deaf	1	1	100%	0%	100%	0%	0%	0%	0%	1	$24,000
13.1005	Educ. of Emotionally Handicapped	16	14	87%	100%	0%	0%	0%	0%	6%	13	$27,384
13.1006	Education of Mentally Handicapped	10	10	100%	90%	0%	10%	0%	0%	0%	8	$26,388
13.1011	Specific Learning Disabilities	58	56	96%	100%	0%	0%	0%	0%	1%	48	$30,516
13.1012	Speech Correction	16	13	81%	92%	0%	7%	0%	0%	18%	9	$27,324
13.1101	Student Counseling & Personnel Serv.	102	88	86%	93%	5%	1%	4%	2%	4%	63	$32,205
13.1202	Elementary Education	118	99	83%	96%	2%	1%	2%	3%	11%	56	$29,988
13.1203	Junior High Education	8	6	75%	100%	0%	0%	12%	0%	12%	5	$36,996
13.1204	Pre-Elementary Education	7	7	100%	100%	0%	0%	0%	0%	0%	2	$33,504
13.1205	Secondary Education	21	17	80%	100%	0%	0%	0%	0%	19%	7	$31,716
13.1302	Art Education	8	7	87%	100%	0%	0%	0%	0%	12%	7	$32,825

Placement Results for 1988-89 Master's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Education (Cont.)												
13.1303	Business Education	7	5	71%	80%	0%	20%	14%	14%	0%	2	$33,900
13.1305	English Education	1	0	0%	0%	0%	0%	0%	0%	100%	0	$0
13.1307	Health Education	8	5	62%	80%	20%	0%	25%	12%	0%	3	$21,204
13.1308	Home Economics Education	2	2	100%	100%	0%	0%	0%	0%	0%	0	$0
13.1309	Industrial Arts Education	12	8	66%	100%	0%	0%	8%	25%	0%	5	$31,759
13.1311	Mathematics Education	10	10	100%	100%	0%	0%	0%	0%	0%	8	$42,756
13.1312	Music Education	5	3	60%	100%	0%	0%	40%	0%	0%	1	$27,000
13.1314	Physical Education	27	21	77%	85%	14%	0%	7%	7%	7%	16	$25,048
13.1315	Reading Education	103	88	85%	97%	2%	0%	2%	0%	10%	53	$27,591
13.1316	Science Education	3	3	100%	100%	0%	0%	0%	0%	0%	2	$44,232
13.1319	Technical Education	28	28	100%	92%	7%	0%	0%	3%	0%	2	$24,732
13.1401	Teaching English/2nd Language	8	4	50%	75%	0%	25%	12%	12%	25%	3	$22,164
Totals		1024	891	87%	96%	2%	1%	3%	3%	5%	583	$31,257
Engineering/Related Technology												
14.0201	Aerospace/Aeronautical/Astronautical	26	17	65%	35%	64%	0%	26%	3%	0%	11	$34,536
14.0301	Agricultural Engineering	12	9	75%	100%	0%	0%	0%	25%	0%	3	$28,956
14.0501	Biomedical & Bioengineering	2	0	0%	0%	0%	0%	100%	0%	0%	0	$0
14.0701	Chemical Engineering	28	18	64%	88%	11%	0%	3%	28%	10%	14	$36,162
14.0801	Civil Engineering	54	40	74%	67%	32%	0%	7%	16%	5%	19	$30,813
14.0901	Computer Engineering	46	31	67%	64%	35%	0%	13%	26%	2%	26	$37,517
14.1001	Electrical/Electronics/Comm.	59	37	62%	59%	40%	0%	3%	23%	10%	25	$36,477
14.1101	Mechanics Engineering	7	5	71%	80%	20%	0%	0%	28%	0%	4	$37,626
14.1501	Geological Engineering	2	2	100%	0%	100%	0%	0%	0%	0%	2	$30,720
14.1701	Industrial Engineering	12	10	83%	60%	40%	0%	16%	0%	0%	10	$35,237
14.1801	Materials Engineering	2	0	0%	0%	0%	0%	50%	50%	0%	0	$0
14.1901	Mechanical Engineering	81	68	83%	66%	33%	0%	9%	11%	1%	59	$35,271
14.2001	Metallurgical Engineering	1	1	100%	100%	0%	0%	0%	0%	0%	1	$33,000
14.2301	Nuclear Engineering	1	1	100%	0%	0%	100%	0%	0%	0%	1	$34,080
14.2701	Systems Science	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
14.9999	Engineering, Other	8	6	75%	83%	16%	0%	25%	0%	0%	2	$37,038
15.0603	Industrial Technology	40	36	90%	91%	2%	5%	7%	5%	0%	25	$37,908
15.9999	Engineering Technology, Other	19	17	89%	94%	5%	0%	5%	0%	5%	13	$33,816
Totals		401	299	74%	70%	28%	1%	9%	15%	3%	215	$35,440
Foreign Language												
16.0101	Foreign Languages, Multiple Emphasis	2	2	100%	50%	50%	0%	0%	0%	0%	1	$26,004
16.0501	German	2	1	50%	100%	0%	0%	0%	50%	0%	1	$25,992
16.0901	French	3	2	66%	100%	0%	0%	0%	33%	0%	1	$38,004
16.0905	Spanish	7	4	57%	100%	0%	0%	0%	42%	0%	1	$26,004
Totals		14	9	64%	88%	11%	0%	0%	35%	0%	4	$29,001

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					Mich	Other	Unknown					
Health Science												
17.0209	Radiograph Medical Technology	1	1	100%	100%	0%	0%	0%	0%	0%	1	$26,004
17.0310	Medical Technology	2	2	100%	100%	0%	0%	0%	0%	0%	1	$33,000
17.0400	Rehabilitation Counseling	9	9	100%	88%	11%	0%	0%	0%	0%	7	$25,020
17.0599	Allied Health Services	3	3	100%	66%	33%	0%	0%	0%	0%	3	$33,252
17.0806	Music Therapy	3	3	100%	33%	66%	0%	0%	0%	0%	2	$21,888
17.0807	Occupational Therapy	1	1	100%	100%	0%	0%	0%	0%	0%	1	$33,252
18.0101	Audiology and Speech Pathology	2	2	100%	100%	0%	0%	0%	0%	0%	2	$29,604
18.0199	Audiology/Speech Pathology (Other)	4	3	75%	100%	0%	0%	0%	25%	0%	2	$22,752
18.0299	Basic Clinical Health Sciences	1	1	100%	100%	0%	0%	0%	0%	0%	1	$29,004
18.0601	Epidemiology	1	1	100%	100%	0%	0%	0%	0%	0%	1	$34,992
18.0701	Health Care Administration	2	2	100%	100%	0%	0%	0%	0%	0%	0	$0
18.0799	Health Science Administration	11	9	81%	100%	0%	0%	0%	0%	18%	4	$30,000
18.1101	Nursing, General	44	36	81%	77%	22%	0%	6%	11%	11%	25	$32,307
18.1102	Anesthetist	8	7	87%	100%	0%	0%	12%	0%	0%	4	$52,125
18.1401	Pharmacy	2	2	100%	100%	0%	0%	0%	0%	0%	2	$44,496
18.2401	Veterinary Medicine	5	2	40%	50%	50%	0%	20%	40%	0%	0	$0
Totals		99	84	84%	84%	15%	0%	5%	8%	7%	56	$32,229
Home Economics/Vocational												
19.0101	Home Economics	17	13	76%	76%	23%	0%	0%	0%	23%	12	$34,020
19.0301	Family and Community Services	6	5	83%	20%	80%	0%	0%	16%	0%	0	$0
19.0403	Family Economics	1	1	100%	100%	0%	0%	0%	0%	0%	1	$32,004
19.0501	Food Science and Human Nutrition	1	1	100%	100%	0%	0%	0%	0%	0%	1	$15,996
19.0503	Dietetics/Human Nutrition Services	3	2	66%	100%	0%	0%	0%	33%	0%	1	$21,996
19.0701	Individual and Family Development	1	1	100%	100%	0%	0%	0%	0%	0%	1	$32,004
19.0704	Family Relations	6	2	33%	100%	0%	0%	33%	33%	0%	1	$29,004
19.0754	Geriatric Services	5	5	100%	100%	0%	0%	0%	0%	0%	3	$23,508
19.0801	International/Comp. Home Economics	4	1	25%	100%	0%	0%	0%	25%	50%	0	$0
19.0901	Textiles and Clothing	1	1	100%	100%	0%	0%	0%	0%	0%	1	$15,996
19.0903	Textiles and Clothing, Retail	1	1	100%	0%	100%	0%	0%	0%	0%	1	$33,000
20.0102	Child Development, Care & Guidance	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
Totals		47	34	72%	76%	23%	0%	4%	10%	12%	22	$29,944
Law												
22.0101	Law	3	3	100%	100%	0%	0%	0%	0%	0%	3	$43,104
Totals		3	3	100%	100%	0%	0%	0%	0%	0%	3	$43,104

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					Mich	Other	Unknown					
Letters												
23.0101	English, General	24	13	54%	100%	0%	0%	0%	50%	0%	6	$28,268
23.0501	Creative Writing	7	4	57%	100%	0%	0%	0%	42%	0%	2	$21,150
23.0601	Linguistics (Semantics/Philology)	8	6	75%	83%	16%	0%	0%	25%	0%	0	$0
23.0701	Literature, American	3	1	33%	0%	100%	0%	0%	66%	0%	0	$0
23.0801	Literature, English	17	8	47%	100%	0%	0%	11%	11%	29%	7	$28,644
23.0901	Rhetoric	1	1	100%	100%	0%	0%	0%	0%	0%	1	$20,004
23.1001	Speech, Debate, Forensics	6	5	83%	100%	0%	0%	0%	16%	16%	5	$23,004
Totals		66	38	57%	94%	5%	0%	3%	33%	9%	21	$26,069
Liberal Studies												
24.0101	Liberal/General Studies	1	1	100%	100%	0%	0%	0%	0%	0%	1	$45,600
Totals		1	1	100%	100%	0%	0%	0%	0%	0%	1	$45,600
Library and Archival Sciences												
25.0101	Library and Archival Science	9	8	88%	100%	0%	0%	0%	11%	11%	6	$22,164
25.0401	Library Science	1	0	0%	0%	0%	0%	0%	0%	100%	0	$0
Totals		10	8	80%	100%	0%	0%	0%	10%	20%	6	$22,164
Life Sciences												
26.0101	Biology, General	28	21	75%	80%	19%	0%	0%	14%	17%	13	$25,818
26.0301	Botany	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
26.0702	Entomology	4	2	50%	50%	50%	0%	0%	50%	0%	0	$0
Totals		33	23	69%	78%	21%	0%	0%	21%	15%	13	$25,818
Mathematics												
27.0101	Mathematics	15	10	66%	80%	10%	10%	0%	26%	6%	8	$30,078
27.0301	Applied Mathematics	6	5	83%	80%	20%	0%	0%	16%	0%	5	$28,536
27.0501	Statistics	10	6	60%	50%	50%	0%	20%	20%	0%	1	$39,000
Totals		31	21	67%	71%	25%	4%	6%	22%	3%	14	$30,165
Interdisciplinary Studies												
30.0701	Women's Studies	3	3	100%	0%	66%	33%	0%	0%	0%	2	$32,004
30.9999	Multi-Interdisciplinary Studies	4	4	100%	50%	25%	25%	0%	0%	0%	3	$20,668
Totals		7	7	100%	28%	42%	28%	0%	0%	0%	5	$25,202

Placement Results for 1988-89 Master's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Parks and Recreation												
31.0301	Parks and Recreation Management	8	6	75%	100%	0%	0%	12%	12%	0%	3	$25,332
Totals		8	6	75%	100%	0%	0%	12%	12%	0%	3	$25,332
Philosophy, Religion and Theology												
38.0101	Philosophy	3	1	33%	100%	0%	0%	0%	66%	0%	1	$30,000
38.0201	Religion	4	6	150%	100%	0%	0%	0%	0%	0%	3	$31,668
Totals		7	7	100%	100%	0%	0%	0%	28%	0%	4	$31,251
Physical Sciences												
40.0501	Chemistry	15	12	80%	83%	16%	0%	6%	20%	6%	8	$32,756
40.0601	Geology	10	9	90%	88%	11%	0%	0%	10%	10%	3	$36,560
40.0801	Physics, General	16	6	37%	66%	16%	16%	25%	43%	0%	4	$32,832
Totals		41	27	65%	81%	14%	3%	12%	26%	4%	15	$33,537
Psychology												
42.0101	Psychology, General	55	29	52%	82%	17%	0%	3%	30%	16%	22	$28,386
42.0201	Clinical Psychology	7	0	0%	0%	0%	0%	14%	71%	14%	0	$0
42.0601	Counseling Psychology	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
42.0901	Industrial & Org. Psychology	1	1	100%	100%	0%	0%	0%	0%	0%	1	$32,004
42.9999	Psychology, Other	7	5	71%	100%	0%	0%	14%	0%	14%	1	$29,004
Totals		71	35	49%	85%	14%	0%	5%	32%	15%	24	$28,562
Protective Services and Public Affairs												
43.0101	Correctional Administration	17	14	82%	71%	28%	0%	5%	11%	0%	5	$36,156
43.0104	Criminal Justice Studies	5	5	100%	100%	0%	0%	0%	0%	0%	4	$34,320
43.0108	Law Enforcement Administration	6	6	100%	100%	0%	0%	0%	0%	0%	5	$38,088
44.0401	Public Administration	17	15	88%	86%	6%	6%	0%	0%	11%	10	$32,377
44.0701	Social Work	132	114	86%	95%	4%	0%	6%	11%	6%	90	$23,928
Totals		177	154	87%	92%	6%	0%	5%	9%	5%	114	$26,191
Social Sciences												
45.0101	Social Science	3	3	100%	66%	33%	0%	0%	0%	0%	1	$33,996
45.0201	Anthropology	3	1	33%	0%	100%	0%	33%	33%	0%	0	$0
45.0401	Criminology	4	2	50%	100%	0%	0%	25%	0%	25%	2	$31,500
45.0601	Economics	15	11	73%	63%	0%	36%	6%	20%	6%	6	$38,950
45.0701	Geography	10	9	90%	66%	22%	11%	0%	10%	0%	4	$21,528

Placement Results for 1988-89 Master's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Social Sciences (Cont.)												
45.0801	History	14	8	57%	87%	12%	0%	7%	14%	14%	5	$29,093
45.1001	Political Science and Government	7	3	42%	66%	33%	0%	0%	57%	0%	2	$25,002
45.1101	Sociology	8	3	37%	66%	0%	33%	0%	62%	0%	0	$0
Totals		64	40	62%	70%	15%	15%	6%	25%	6%	20	$30,614
Visual and Performing Art												
50.0501	Dramatic Arts	5	3	60%	66%	33%	0%	0%	0%	40%	2	$24,504
50.0701	Fine Arts, General	6	4	66%	100%	0%	0%	16%	0%	16%	3	$23,904
50.0703	Art History and Appreciation	4	2	50%	100%	0%	0%	25%	25%	0%	2	$27,504
50.0799	Fine Arts, Other	3	2	66%	100%	0%	0%	0%	0%	33%	1	$35,496
50.0901	Music	9	5	55%	40%	60%	0%	0%	11%	22%	4	$24,138
50.0903	Applied Music	26	13	50%	92%	7%	0%	15%	23%	11%	8	$28,416
Totals		53	29	54%	82%	17%	0%	11%	15%	16%	20	$26,755
Grand Totals		2968	2404	80%	87%	11%	1%	5%	9%	5%	1599	$32,973

DOCTORAL GRADUATES

Table 9

Doctoral Degrees Conferred Compared to Graduates Reported and Responding by Participating Institutions for Major Curriculum Areas 1988-89

CIP	Curriculum Area	Total * Degrees Conferred Public	Total ** Number of Grads Reported	Percent of Conferred	Total ** Number of Grads Responding	Percent of Conferred	Percent of Reported
1	Agribusiness	13	13	100%	8	61%	61%
2	Agricultural Sciences	34	33	97%	18	52%	54%
3	Renewable Natural Resources	20	19	95%	14	70%	73%
4	Architecture	14	0	0%	0	0%	0%
5	Area And Ethnic Studies	7	0	0%	0	0%	0%
6	Business and Management	43	13	30%	7	16%	53%
7	Business and Office	0	0	0%	0	0%	0%
8	Marketing and Distribution	0	7	0%	4	0%	57%
9	Communications	12	5	41%	5	41%	100%
10	Communications Technology	0	0	0%	0	0%	0%
11	Computer Science	12	1	8%	1	8%	100%
12	Consumer, Personal, Misc. Serv	0	0	0%	0	0%	0%
13	Education	289	146	50%	87	30%	59%
14	Engineering	198	206	>100%	67	33%	32%
15	Engineering Related Technology	0	0	0%	0	0%	0%
16	Foreign Language	15	2	13%	0	0%	0%
17	Allied Health	0	0	0%	0	0%	0%
18	Health Sciences	1015	608	59%	162	15%	26%
19	Home Economics	8	8	100%	8	100%	100%
20	Vocational Home Economics	0	0	0%	0	0%	0%
21	Industrial Arts	0	0	0%	0	0%	0%
22	Law	1157	176	15%	49	4%	27%
23	Letters	55	30	54%	23	41%	76%
24	Liberal Studies	2	0	0%	0	0%	0%
25	Library Sciences	1	0	0%	0	0%	0%
26	Life Sciences	129	76	58%	39	30%	51%
27	Mathematics	37	16	43%	9	24%	56%
30	Interdisciplinary Studies	10	0	0%	0	0%	0%
31	Parks and Recreation	2	2	100%	2	100%	100%
34	Health Related Activities	0	0	0%	0	0%	0%
36	Leisure/Recreational Activitie	0	0	0%	0	0%	0%
38	Philosophy and Religion	12	1	8%	0	0%	0%
39	Theology	135	0	0%	0	0%	0%
40	Physical Sciences	140	80	57%	48	34%	60%
41	Science Technology	0	0	0%	0	0%	0%
42	Psychology	89	49	55%	25	28%	51%
43	Protective Services	0	0	0%	0	0%	0%
44	Public Affairs	3	0	0%	0	0%	0%
45	Social Sciences	105	48	45%	22	20%	45%
46	Construction Trades	0	0	0%	0	0%	0%
47	Mechanics and Repairers	0	0	0%	0	0%	0%
48	Precision Production	0	0	0%	0	0%	0%
49	Transportation and Material Mo	0	0	0%	0	0%	0%
50	Visual and Performing Arts	34	3	8%	6	17%	>100%
	Totals/Averages	3591	1542	42%	604	16%	39%

* Data from Michigan Department of Education

** Data from institutions responding to this survey

Table 10

Placement Results for 1988-89 Doctoral Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Agribus/AgriSci/RenewNatRes												
1.0103	Agricultural Economics	8	7	87%	100%	0%	0%	12%	0%	0%	4	$41,628
2.0201	Animal Sciences	9	8	88%	87%	12%	0%	11%	0%	0%	3	$33,672
2.0301	Food Sciences	6	5	83%	100%	0%	0%	16%	0%	0%	2	$33,000
2.0402	Agronomy	2	1	50%	100%	0%	0%	50%	0%	0%	1	$24,000
2.0403	Horticulture Science	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
3.0501	Soil Sciences	11	10	90%	90%	10%	0%	0%	0%	9%	3	$31,332
3.0601	Wildlife Management	3	3	100%	66%	33%	0%	0%	0%	0%	0	$0
Totals		40	35	87%	91%	8%	0%	10%	0%	2%	13	$34,733
Business/Office Marketing												
6.0201	Accounting	3	3	100%	100%	0%	0%	0%	0%	0%	2	$54,000
6.0301	Banking and Finance	3	3	100%	100%	0%	0%	0%	0%	0%	2	$57,504
6.0401	Business Admin. and Management, Gen	1	1	100%	100%	0%	0%	0%	0%	0%	1	$39,996
8.0201	Business Marketing	4	4	100%	100%	0%	0%	0%	0%	0%	4	$45,252
Totals		11	11	100%	100%	0%	0%	0%	0%	0%	9	$49,335
Communications/Comm Technology												
9.0101	Communications	3	3	100%	66%	33%	0%	0%	0%	0%	0	$0
9.9999	Communications, Other	2	2	100%	100%	0%	0%	0%	0%	0%	2	$33,504
Totals		5	5	100%	80%	20%	0%	0%	0%	0%	2	$33,504
Computer Science												
11.0101	Computer and Information Science	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
Totals		1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
Education												
13.0301	Curriculum and Instruction	22	19	86%	94%	5%	0%	4%	0%	9%	17	$41,029
13.0401	Education Administration	35	33	94%	100%	0%	0%	2%	0%	2%	29	$45,496
13.0406	Higher Education Administration	4	4	100%	100%	0%	0%	0%	0%	0%	3	$42,996
13.0501	Instructional Technology	2	2	100%	100%	0%	0%	0%	0%	0%	1	$21,000
13.0604	Educational Testing and Evaluation	1	1	100%	100%	0%	0%	0%	0%	0%	1	$29,004
13.0801	School Psychology	13	9	69%	100%	0%	0%	7%	7%	15%	5	$27,595
13.1001	Special Education, General	3	2	66%	100%	0%	0%	0%	0%	33%	1	$42,996
13.1101	Student Counseling & Personnel Serv.	2	2	100%	50%	50%	0%	0%	0%	0%	2	$34,500
13.1309	Industrial Arts Education	3	3	100%	100%	0%	0%	0%	0%	0%	2	$40,500
13.1312	Music Education	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
13.1314	Physical Education	1	1	100%	100%	0%	0%	0%	0%	0%	1	$27,000
Totals		87	77	88%	97%	2%	0%	3%	1%	6%	62	$41,191

Placement Results for 1988-89 Doctoral Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Engineering/Related Technology												
14.0101	Engineering, General	4	3	75%	100%	0%	0%	0%	0%	25%	0	$0
14.0201	Aerospace/Aeronautical/Astronautical	1	0	0%	0%	0%	0%	0%	0%	100%	1	$45,000
14.0301	Agricultural Engineering	6	5	83%	100%	0%	0%	16%	0%	0%	2	$45,000
14.0701	Chemical Engineering	9	8	88%	62%	37%	0%	0%	11%	0%	5	$44,040
14.0801	Civil Engineering	9	8	88%	75%	25%	0%	11%	11%	0%	3	$41,000
14.0901	Computer Engineering	1	1	100%	0%	100%	0%	0%	0%	0%	1	$51,600
14.1001	Electrical/Electronics/Comm.	4	1	25%	0%	100%	0%	75%	0%	0%	0	$0
14.1101	Mechanics Engineering	3	1	33%	0%	100%	0%	33%	33%	0%	0	$0
14.1701	Industrial Engineering	1	1	100%	0%	100%	0%	0%	0%	0%	1	$42,000
14.1901	Mechanical Engineering	21	16	76%	87%	12%	0%	19%	9%	0%	10	$45,679
14.2001	Metallurgical Engineering	3	3	100%	33%	66%	0%	0%	0%	0%	3	$49,080
14.2201	Naval Architecture/Marine Engineer	1	0	0%	0%	0%	0%	100%	0%	0%	0	$0
14.2301	Nuclear Engineering	1	1	100%	0%	100%	0%	0%	0%	0%	0	$0
14.9999	Engineering, Other	3	1	33%	100%	0%	0%	33%	33%	0%	1	$47,628
Totals		67	49	73%	71%	28%	0%	17%	8%	2%	27	$45,313
Health Science												
18.0199	Audiology/Speech Pathology (Other)	2	2	100%	100%	0%	0%	0%	0%	0%	2	$45,000
18.1001	Human Medicine	67	65	97%	72%	27%	0%	0%	2%	0%	37	$24,720
18.1018	Pathology	1	1	100%	100%	0%	0%	0%	0%	0%	1	$26,004
18.1099	Other Medicine	1	1	100%	100%	0%	0%	0%	0%	0%	1	$36,000
18.1101	Nursing, General	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
18.1201	Optometry	21	20	95%	70%	30%	0%	4%	0%	0%	11	$35,712
18.1301	Osteopathic Medicine	41	40	97%	95%	5%	0%	2%	0%	0%	0	$0
18.2401	Veterinary Medicine	28	23	82%	52%	47%	0%	14%	3%	0%	19	$25,812
Totals		162	153	94%	75%	24%	0%	3%	1%	0%	71	$27,463
Home Economics/Vocational												
19.0503	Dietetics/Human Nutrition Services	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
19.0701	Individual and Family Development	7	7	100%	71%	28%	0%	0%	0%	0%	5	$33,396
Totals		8	7	87%	71%	28%	0%	0%	12%	0%	5	$33,396
Law												
22.0101	Law	49	47	95%	100%	0%	0%	4%	12%	0%	37	$34,596
Totals		49	47	95%	100%	0%	0%	4%	12%	0%	37	$34,596

Placement Results for 1988-89 Doctoral Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Unemployed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Letters												
23.0101	English, General	16	16	100%	93%	6%	0%	0%	0%	0%	7	$28,296
23.0601	Linguistics (Semantics/Philology)	4	4	100%	75%	25%	0%	0%	0%	0%	0	$0
23.0801	Literature, English	2	2	100%	50%	50%	0%	0%	0%	0%	2	$31,596
23.1001	Speech, Debate, Forensics	1	1	100%	100%	0%	0%	0%	0%	0%	1	$30,000
Totals		23	23	100%	86%	13%	0%	0%	0%	0%	10	$29,126
Life Sciences												
26.0101	Biology, General	2	2	100%	50%	50%	0%	0%	0%	0%	0	$0
26.0201	Biochemistry and Biophysics	9	8	88%	75%	25%	0%	0%	11%	0%	1	$21,504
26.0301	Botany	5	4	80%	75%	25%	0%	0%	20%	0%	0	$0
26.0501	Microbiology	7	6	85%	83%	16%	0%	0%	14%	0%	0	$0
26.0608	Neurosciences	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
26.0612	Toxicology	2	2	100%	100%	0%	0%	0%	0%	0%	0	$0
26.0701	Zoology	5	3	60%	100%	0%	0%	0%	40%	0%	0	$0
26.0702	Entomology	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
26.0703	Genetics, Human and Animal	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
26.0704	Pathology, Human and Animal	2	2	100%	100%	0%	0%	0%	0%	0%	1	$42,996
26.0705	Pharmacology, Human and Animal	4	3	75%	66%	33%	0%	0%	25%	0%	0	$0
Totals		39	33	84%	81%	18%	0%	0%	15%	0%	2	$32,250
Mathematics												
27.0101	Mathematics	1	1	100%	0%	100%	0%	0%	0%	0%	0	$0
27.0301	Applied Mathematics	2	2	100%	100%	0%	0%	0%	0%	0%	0	$0
27.0501	Statistics	6	6	100%	100%	0%	0%	0%	0%	0%	3	$31,500
Totals		9	9	100%	88%	11%	0%	0%	0%	0%	3	$31,500
Parks and Recreation												
31.0301	Parks and Recreation Management	2	2	100%	50%	50%	0%	0%	0%	0%	1	$39,996
Totals		2	2	100%	50%	50%	0%	0%	0%	0%	1	$39,996
Physical Sciences												
40.0401	Atmospheric Science and Meterology	2	2	100%	0%	100%	0%	0%	0%	0%	1	$51,996
40.0501	Chemistry	35	33	94%	84%	15%	0%	0%	5%	0%	16	$36,118
40.0601	Geology	6	6	100%	16%	83%	0%	0%	0%	0%	1	$24,996
40.0801	Physics, General	5	5	100%	40%	60%	0%	0%	0%	0%	3	$35,500
Totals		48	46	95%	67%	32%	0%	0%	4%	0%	21	$36,257

Placement Results for 1988-89 Doctoral Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for All Groups

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Psychology												
42.0101	Psychology, General	16	15	93%	86%	13%	0%	6%	0%	0%	10	$33,758
42.0201	Clinical Psychology	6	6	100%	100%	0%	0%	0%	0%	0%	2	$38,500
42.0601	Counseling Psychology	3	3	100%	100%	0%	0%	0%	0%	0%	2	$30,996
Totals		25	24	96%	91%	8%	0%	4%	0%	0%	14	$34,041
Social Sciences												
45.0101	Social Science	3	3	100%	100%	0%	0%	0%	0%	0%	1	$47,004
45.0201	Anthropology	3	2	66%	100%	0%	0%	33%	0%	0%	2	$26,652
45.0601	Economics	3	3	100%	66%	33%	0%	0%	0%	0%	2	$33,498
45.0701	Geography	1	1	100%	100%	0%	0%	0%	0%	0%	1	$39,996
45.0801	History	3	3	100%	66%	33%	0%	0%	0%	0%	2	$28,998
45.1001	Political Science and Government	6	6	100%	100%	0%	0%	0%	0%	0%	3	$24,996
45.1101	Sociology	3	2	66%	100%	0%	0%	33%	0%	0%	2	$26,244
Totals		22	20	90%	90%	10%	0%	9%	0%	0%	13	$30,213.
Visual and Performing Art												
50.0501	Dramatic Arts	2	2	100%	50%	50%	0%	0%	0%	0%	2	$22,998
50.0901	Music, General	1	1	100%	100%	0%	0%	0%	0%	0%	1	$23,004
50.0903	Applied Music	3	3	100%	33%	66%	0%	0%	0%	0%	2	$29,502
Totals		6	6	100%	50%	50%	0%	0%	0%	0%	5	$25,601
Grand Totals		766	701	91%	81%	18%	0%	4%	3%	1%	366	$33,704

MINORITY BACHELOR GRADUATES

Table 11

Placement Results for 1988-89 Bachelor's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for Minorities

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
	Agribus/AgriSci/RenewNatRes											
1.0103	Agricultural Economics	17	15	88%	86%	13%	0%	11%	0%	0%	12	$20,220
1.9900	Agribusiness, Other	3	3	100%	100%	0%	0%	0%	0%	0%	2	$22,596
1.9999	Packaging	8	5	62%	80%	20%	0%	25%	12%	0%	4	$30,300
2.0301	Food Sciences	2	1	50%	100%	0%	0%	50%	0%	0%	1	$24,096
Totals		30	24	80%	87%	12%	0%	16%	3%	0%	19	$22,796
	Architecture											
4.0301	Land Use Analysis	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
4.0501	Interior Design	2	1	50%	100%	0%	0%	50%	0%	0%	1	$20,004
4.0601	Landscape Architecture	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
Totals		4	2	50%	100%	0%	0%	25%	25%	0%	1	$20,004
	Business/Office Marketing											
6.0201	Accounting	21	16	76%	81%	18%	0%	4%	4%	9%	12	$25,400
6.0301	Banking and Finance	5	2	40%	100%	0%	0%	60%	0%	0%	1	$17,496
6.0401	Business Admin. and Management, Gen	19	14	73%	57%	28%	14%	5%	15%	5%	9	$21,333
6.0402	Material Management and Purchasing	6	5	83%	80%	20%	0%	16%	0%	0%	5	$27,660
6.0501	Business Economics	1	1	100%	100%	0%	0%	0%	0%	0%	1	$26,004
6.0701	Institutional Management	4	3	75%	66%	33%	0%	0%	25%	0%	3	$17,040
6.1201	Management Information Systems	3	2	66%	0%	100%	0%	33%	0%	0%	1	$26,304
6.1302	Operations Research	3	3	100%	100%	0%	0%	0%	0%	0%	3	$28,200
6.1401	Marketing Management	13	7	53%	100%	0%	0%	15%	15%	7%	6	$17,936
6.1601	Personnel Management	1	1	100%	0%	100%	0%	0%	0%	0%	1	$23,004
6.2001	Trade and Industrial Management	1	1	100%	0%	100%	0%	0%	0%	0%	1	$21,000
7.0401	Office Supervision and Management	3	1	33%	0%	100%	0%	66%	0%	0%	1	$17,496
7.0604	Legal Secretarial	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
7.0608	Word Processing	1	1	100%	100%	0%	0%	0%	0%	0%	1	$15,372
8.0102	Fashion Merchandising	2	0	0%	0%	0%	0%	50%	0%	50%	0	$0
8.0201	Business Marketing	5	5	100%	80%	20%	0%	0%	0%	0%	5	$24,696
8.0703	Industrial Marketing	5	4	80%	50%	25%	25%	0%	0%	20%	2	$17,850
8.0999	Hospitality and Recreation, Other	2	2	100%	50%	50%	0%	0%	0%	0%	2	$19,248
Totals		96	69	71%	71%	24%	4%	12%	7%	6%	54	$22,644
	Communications/Comm Technology											
9.0101	Communications	13	9	69%	77%	22%	0%	23%	7%	0%	5	$21,816
9.0201	Advertising	8	6	75%	83%	16%	0%	12%	12%	0%	4	$20,628
9.0401	Journalism (Mass Communication)	3	2	66%	100%	0%	0%	33%	0%	0%	1	$16,500
9.0701	Telecommunications	7	3	42%	100%	0%	0%	28%	28%	0%	2	$20,004
10.0104	Radio/TV Production	2	1	50%	100%	0%	0%	0%	50%	0%	1	$12,996
10.0199	Communication Technology, Other	2	2	100%	50%	50%	0%	0%	0%	0%	2	$19,752
Totals		35	23	65%	82%	17%	0%	20%	14%	0%	15	$20,040

Placement Results for 1988-89 Bachelor's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for Minorities

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
	Computer Science											
11.0101	Computer and Information Science	5	5	100%	100%	0%	0%	0%	0%	0%	4	$23,949
11.0301	Data Processing	2	1	50%	100%	0%	0%	0%	0%	50%	1	$20,004
11.0401	Information Sciences	11	7	63%	71%	14%	14%	18%	9%	9%	5	$23,765
11.0501	Systems Analysis	2	1	50%	100%	0%	0%	0%	50%	0%	1	$15,000
Totals		20	14	70%	85%	7%	7%	10%	10%	10%	11	$22,693
	Education											
13.0401	Education Adminstration	6	3	50%	66%	33%	0%	0%	33%	16%	2	$35,500
13.0405	Elem. and Sec. Education Admin.	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
13.0801	School Psychology	3	2	66%	100%	0%	0%	0%	0%	33%	2	$25,100
13.1001	Special Education, General	7	7	100%	100%	0%	0%	0%	0%	0%	6	$20,724
13.1005	Educ. of Emotionally Handicapped	5	4	80%	100%	0%	0%	0%	20%	0%	2	$20,400
13.1006	Education of Mentally Handicapped	3	3	100%	33%	33%	33%	0%	0%	0%	1	$21,804
13.1008	Education, Physically Handicapped	3	2	66%	100%	0%	0%	0%	0%	33%	1	$23,004
13.1011	Specific Learning Disabilities	1	1	100%	100%	0%	0%	0%	0%	0%	1	$36,000
13.1012	Speech Correction	2	2	100%	100%	0%	0%	0%	0%	0%	1	$30,000
13.1101	Student Counseling & Personnel Serv.	1	0	0%	0%	0%	0%	100%	0%	0%	0	$0
13.1202	Elementary Education	38	23	60%	95%	0%	4%	21%	10%	7%	11	$22,023
13.1204	Pre-Elementary Education	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
13.1302	Art Education	2	1	50%	100%	0%	0%	0%	0%	50%	1	$30,000
13.1303	Business Education	3	3	100%	66%	33%	0%	0%	0%	0%	3	$21,669
13.1305	English Education	1	1	100%	100%	0%	0%	0%	0%	0%	1	$21,996
13.1307	Health Education	1	0	0%	0%	0%	0%	100%	0%	0%	0	$0
13.1309	Industrial Arts Education	1	0	0%	0%	0%	0%	100%	100%	0%	0	$0
13.1310	Marketing & Distributive Education	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
13.1311	Mathematics Education	2	1	50%	100%	0%	0%	0%	0%	50%	1	$19,200
13.1312	Music Education	5	4	80%	100%	0%	0%	0%	20%	0%	0	$0
13.1314	Physical Education	9	7	77%	100%	0%	0%	11%	11%	11%	4	$19,878
13.1315	Reading Education	1	1	100%	100%	0%	0%	0%	0%	0%	1	$31,500
13.1316	Science Education	6	2	33%	100%	0%	0%	0%	66%	0%	2	$22,700
13.1317	Social Science Education	4	4	100%	50%	50%	0%	0%	0%	0%	3	$22,332
13.1399	Teacher Education/Specific Subject	1	1	100%	100%	0%	0%	0%	0%	0%	1	$17,496
13.1401	Teaching English/2nd Language	2	2	100%	0%	0%	100%	0%	0%	0%	0	$0
Totals		110	76	69%	88%	6%	5%	10%	13%	8%	44	$23,103
	Engineering/Related Technology											
14.0101	Engineering, General	5	5	100%	100%	0%	0%	0%	0%	0%	5	$30,924
14.0301	Agricultural Engineering	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
14.0701	Chemical Engineering	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
14.0801	Civil Engineering	2	1	50%	100%	0%	0%	0%	50%	0%	1	$32,724
14.0901	Computer Engineering	4	3	75%	66%	33%	0%	25%	0%	0%	2	$32,568
14.1001	Electrical/Electronics/Comm.	8	6	75%	66%	33%	0%	12%	12%	0%	4	$31,692

Placement Results for 1988-89 Bachelor's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for Minorities

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
	Engineering/Related Technology (Cont.)											
14.1801	Materials Engineering	1	1	100%	100%	0%	0%	0%	0%	0%	1	$21,000
14.1901	Mechanical Engineering	8	8	100%	100%	0%	0%	0%	0%	0%	7	$31,752
14.2701	Systems Science	1	1	100%	100%	0%	0%	0%	0%	0%	1	$28,668
15.0101	Architectural Design Technology	2	2	100%	100%	0%	0%	0%	0%	0%	0	$0
15.0399	Electrical/Electronic Techn, Other	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
15.0603	Industrial Technology	12	10	83%	50%	40%	10%	0%	8%	0%	6	$29,767
15.0604	Manufacturing Technology	2	2	100%	100%	0%	0%	0%	0%	0%	2	$42,498
15.0607	Plastic Technology	1	0	0%	0%	0%	0%	0%	0%	100%	0	$0
15.0699	Industrial Production, Other	2	2	100%	100%	0%	0%	0%	0%	0%	2	$15,996
15.0805	Mechanical Design Technology	3	2	66%	100%	0%	0%	0%	33%	0%	1	$17,472
Totals		54	43	79%	81%	16%	2%	3%	12%	1%	32	$30,132
	Foreign Language											
16.0402	Russian	1	1	100%	0%	100%	0%	0%	0%	0%	1	$28,200
16.0903	Latin	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
16.0905	Spanish	6	3	50%	66%	33%	0%	0%	16%	33%	3	$24,004
16.9999	Language and International Trade	2	2	100%	50%	50%	0%	0%	0%	0%	2	$19,002
Totals		10	7	70%	57%	42%	0%	0%	10%	20%	6	$23,036
	Health Science											
17.0310	Medical Technology	4	4	100%	100%	0%	0%	0%	0%	0%	0	$0
17.0807	Occupational Therapy	1	1	100%	0%	100%	0%	0%	0%	0%	1	$30,000
17.9999	Allied Health (Other)	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
18.0701	Health Care Adminstration	2	2	100%	100%	0%	0%	0%	0%	0%	2	$24,000
18.1101	Nursing, General	13	10	76%	100%	0%	0%	7%	7%	7%	8	$26,650
18.1301	Osteopathic Medicine	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
Totals		22	18	81%	94%	5%	0%	4%	9%	4%	11	$26,473
	Home Economics/Vocational											
19.0101	Home Economics	2	1	50%	100%	0%	0%	0%	50%	0%	1	$0
19.0301	Family and Community Services	1	0	0%	0%	0%	0%	100%	0%	0%	0	$0
19.0503	Dietetics/Human Nutrition Services	3	3	100%	66%	33%	0%	0%	0%	0%	1	$24,996
19.0701	Individual and Family Development	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
19.0901	Textiles and Clothing	3	1	33%	0%	100%	0%	66%	0%	0%	0	$0
19.0903	Textiles and Clothing, Retail	7	7	100%	85%	14%	0%	0%	0%	0%	7	$20,016
20.0102	Child Development, Care & Guidance	7	4	57%	100%	0%	0%	28%	14%	0%	3	$16,464
Totals		24	16	66%	81%	18%	0%	20%	12%	0%	12	$17,875

Placement Results for 1988-89 Bachelor's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for Minorities

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
	Industrial Arts											
21.0102	Construction	3	3	100%	100%	0%	0%	0%	0%	0%	2	$25,500
Totals		3	3	100%	100%	0%	0%	0%	0%	0%	2	$25,500
	Law											
22.0102	Pre-Law	4	3	75%	66%	33%	0%	0%	25%	0%	2	$17,778
Totals		4	3	75%	66%	33%	0%	0%	25%	0%	2	$17,778
	Letters											
23.0101	English, General	10	8	80%	87%	12%	0%	10%	10%	0%	5	$21,168
23.0401	Composition	3	1	33%	100%	0%	0%	66%	0%	0%	0	$0
23.0801	Literature, English	3	0	0%	0%	0%	0%	0%	33%	66%	0	$0
23.0901	Rhetoric	1	1	100%	100%	0%	0%	0%	0%	0%	1	$40,000
23.1001	Speech, Debate, Forensics	12	11	91%	90%	9%	0%	0%	8%	0%	7	$22,716
Totals		29	21	72%	90%	9%	0%	10%	10%	6%	13	$23,450
	Liberal Studies											
24.0101	Liberal/General Studies	4	1	25%	0%	100%	0%	25%	75%	0%	1	$18,996
Totals		4	1	25%	0%	100%	0%	25%	75%	0%	1	$18,996
	Life Sciences											
26.0101	Biology, General	10	5	50%	80%	0%	20%	10%	40%	0%	2	$31,560
26.0201	Biochemistry and Biophysics	3	2	66%	100%	0%	0%	0%	33%	0%	0	$0
26.0501	Microbiology	3	3	100%	66%	33%	0%	0%	0%	0%	2	$18,498
26.0701	Zoology	4	0	0%	0%	0%	0%	0%	100%	0%	0	$0
26.0706	Physiology	5	1	20%	100%	0%	0%	0%	80%	0%	1	$30,000
Totals		25	11	44%	81%	9%	9%	4%	52%	0%	5	$26,023
	Mathematics											
27.0101	Mathematics	10	2	20%	100%	0%	0%	30%	50%	10%	1	$21,996
Totals		10	2	20%	100%	0%	0%	30%	50%	10%	1	$21,996

Placement Results for 1988-89 Bachelor's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for Minorities

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
	Interdisciplinary Studies											
30.0401	Humanities and Social Science	11	3	27%	100%	0%	0%	18%	54%	0%	2	$18,750
30.0701	Women's Studies	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
30.9999	Multi-Interdisciplinary Studies	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
Totals		13	4	30%	100%	0%	0%	15%	53%	0%	2	$18,750
	Parks and Recreation											
31.0101	Parks and Recreation, General	2	2	100%	100%	0%	0%	0%	0%	0%	0	$0
Totals		2	2	100%	100%	0%	0%	0%	0%	0%	0	$0
	Physical Sciences											
40.0301	Astrophysics	2	1	50%	100%	0%	0%	50%	0%	0%	1	$21,000
40.0501	Chemistry	8	6	75%	100%	0%	0%	12%	12%	0%	4	$26,749
40.0703	Earth Science	1	0	0%	0%	0%	0%	0%	0%	100%	0	$0
40.0801	Physics, General	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
Totals		12	7	58%	100%	0%	0%	16%	16%	8%	5	$25,599
	Psychology											
42.0101	Psychology, General	19	8	42%	75%	12%	12%	10%	47%	0%	5	$18,402
Totals		19	8	42%	75%	12%	12%	10%	47%	0%	5	$18,402
	Protective Services and Public Affairs											
43.0101	Correctional Adminstration	7	5	71%	80%	20%	0%	28%	0%	0%	1	$21,000
43.0104	Criminal Justice Studies	2	1	50%	100%	0%	0%	0%	50%	0%	0	$0
43.0105	Criminal Justice Technology	3	1	33%	100%	0%	0%	66%	0%	0%	0	$0
44.0101	Public Affairs	6	4	66%	100%	0%	0%	33%	0%	0%	4	$21,552
44.0401	Public Administration	5	4	80%	75%	25%	0%	0%	20%	0%	4	$22,578
44.0701	Social Work, General	14	6	42%	100%	0%	0%	21%	35%	7%	4	$15,450
Totals		37	21	56%	90%	9%	0%	24%	18%	2%	13	$19,948
	Social Sciences											
45.0101	Social Science	9	5	55%	80%	20%	0%	11%	33%	0%	5	$22,032
45.0201	Anthropology	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
45.0401	Criminology	7	7	100%	85%	14%	0%	0%	0%	0%	6	$20,354
45.0601	Economics	3	3	100%	66%	33%	0%	0%	0%	0%	2	$26,448
45.0801	History	3	2	66%	50%	50%	0%	0%	33%	0%	0	$0
45.1001	Political Science and Government	5	2	40%	50%	50%	0%	20%	60%	0%	1	$24,000

Placement Results for 1988-89 Bachelor's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for Minorities

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
	Social Sciences (Cont.)											
45.1101	Sociology	3	2	66%	100%	0%	0%	0%	33%	0%	1	$30,000
Totals		31	21	67%	76%	23%	0%	6%	29%	0%	15	$22,612
	Trade and Industrial Technology											
48.0503	Machine Tool Operation	1	1	100%	0%	0%	100%	0%	0%	0%	0	$0
Totals		1	1	100%	0%	0%	100%	0%	0%	0%	0	$0
	Visual and Performing Art											
50.0501	Dramatic Arts	1	1	100%	0%	100%	0%	0%	0%	0%	0	$0
50.0701	Fine Arts, General	7	3	42%	33%	66%	0%	42%	0%	14%	0	$0
50.0901	Music, General	5	1	20%	0%	0%	100%	0%	0%	80%	0	$0
Totals		13	5	38%	20%	60%	20%	23%	0%	38%	0	$0
Grand	Totals	609	403	66%	81%	14%	3%	12%	16%	5%	269	$23,306

TEACHER CERTIFICATE GRADUATES

Table 12

Placement Results for 1988-89 Bachelor's Graduates of Selected Michigan Colleges and Universities by Curriculum Areas for Teachers

CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Not Working in Educ.	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Agribus/AgriSci/RenewNatRes												
1.0601	Horticulture	1	0	0%	0%	0%	0%	0%	100%	0%	0	$0
1.9900	Agribusiness, Other	8	7	87%	100%	0%	0%	0%	12%	87%	2	$23,868
Totals		9	7	77%	100%	0%	0%	0%	22%	77%	2	$23,868
Architecture												
4.0301	Land Use Analysis	1	1	100%	100%	0%	0%	0%	0%	100%	0	$0
Totals		1	1	100%	100%	0%	0%	0%	0%	100%	0	$0
Communications/Comm Technology												
9.0101	Communications	7	4	57%	100%	0%	0%	0%	28%	28%	2	$33,936
Totals		7	4	57%	100%	0%	0%	0%	28%	28%	2	$33,936
Computer Science												
11.0101	Computer and Information Science	7	7	100%	57%	28%	14%	0%	0%	28%	3	$23,700
Totals		7	7	100%	57%	28%	14%	0%	0%	28%	3	$23,700
Education												
13.1001	Special Education, General	95	82	86%	82%	17%	0%	6%	11%	66%	63	$18,999
13.1003	Education of the Deaf	8	6	75%	100%	0%	0%	0%	0%	25%	4	$21,204
13.1005	Educ. of Emotionally Handicapped	61	54	88%	79%	16%	3%	1%	4%	42%	33	$20,545
13.1006	Education of Mentally Handicapped	46	35	76%	82%	11%	5%	2%	8%	45%	17	$19,720
13.1008	Education, Physically Handicapped	13	10	76%	80%	20%	0%	0%	15%	7%	8	$19,740
13.1009	Education of Visually Handicapped	2	1	50%	0%	100%	0%	0%	50%	0%	1	$21,504
13.1012	Speech Correction	15	12	80%	100%	0%	0%	0%	6%	20%	10	$22,398
13.1101	Student Counseling & Personnel Serv.	2	1	50%	100%	0%	0%	0%	100%	50%	0	$0
13.1202	Elementary Education	508	289	56%	75%	19%	5%	12%	17%	45%	175	$16,950
13.1204	Pre-Elementary Education	17	10	58%	100%	0%	0%	5%	17%	47%	4	$17,016
13.1205	Secondary Education	46	32	69%	46%	53%	0%	0%	13%	19%	32	$13,914
13.1301	Agricultural Education	2	1	50%	100%	0%	0%	50%	0%	50%	1	$20,004
13.1302	Art Education	25	11	44%	90%	9%	0%	12%	44%	16%	9	$20,637
13.1303	Business Education	53	33	62%	78%	0%	21%	5%	13%	62%	19	$21,876
13.1305	English Education	34	22	64%	90%	9%	0%	2%	20%	17%	16	$16,050
13.1306	Foreign Language Education	1	1	100%	100%	0%	0%	0%	0%	0%	1	$21,000
13.1307	Health Education	25	19	76%	78%	5%	15%	8%	4%	68%	7	$22,047
13.1308	Home Economics Education	10	4	40%	50%	25%	25%	40%	20%	20%	3	$19,668
13.1309	Industrial Arts Education	19	16	84%	75%	6%	18%	5%	5%	47%	8	$22,404
13.1310	Marketing & Distributive Education	6	2	33%	100%	0%	0%	16%	50%	0%	1	$22,992
13.1311	Mathematics Education	16	9	56%	66%	33%	0%	6%	18%	56%	7	$21,487

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CIP No.	Curriculum Area	Number Responding	Number Employed Full Time	Percent Employed Full Time	Employment Location			Percent Un-Employed	Percent in School	Percent Other	Number Reporting Salaries	Average Yearly Salaries
					Mich	Other	Unknown					
Education (Cont.)												
13.1312	Music Education	32	28	87%	92%	3%	3%	0%	3%	31%	7	$20,146
13.1314	Physical Education	83	42	50%	71%	11%	16%	6%	15%	45%	17	$20,577
13.1316	Science Education	80	45	56%	73%	15%	11%	8%	22%	70%	28	$18,473
13.1317	Social Science Education	55	31	56%	80%	19%	0%	1%	21%	34%	18	$20,729
13.1319	Technical Education	12	10	83%	100%	0%	0%	8%	8%	83%	4	$23,244
13.1320	Trade & Industrial Education	2	2	100%	0%	0%	100%	0%	0%	0%	1	$21,996
13.1399	Teacher Education/Specific Subject	57	37	64%	67%	13%	18%	0%	3%	10%	15	$18,594
Totals		1325	845	63%	77%	16%	6%	7%	15%	39%	509	$18,503
Foreign Language												
16.0501	German	6	2	33%	50%	50%	0%	33%	16%	33%	2	$19,554
16.0901	French	8	6	75%	66%	16%	16%	25%	0%	12%	1	$18,000
16.0903	Latin	1	1	100%	100%	0%	0%	0%	0%	100%	0	$0
16.0905	Spanish	18	12	66%	25%	66%	8%	5%	5%	38%	9	$20,292
Totals		33	21	63%	42%	47%	9%	15%	6%	33%	12	$19,978
Health Science												
18.0103	Speech Pathology/Audiology	1	1	100%	0%	100%	0%	0%	0%	100%	0	$0
18.0199	Audiology/Speech Pathology (Other)	3	0	0%	0%	0%	0%	0%	100%	0%	0	$0
Totals		4	1	25%	0%	100%	0%	0%	75%	25%	0	$0
Home Economics/Vocational												
19.0101	Home Economics	3	2	66%	50%	0%	50%	0%	33%	0%	1	$15,996
19.0701	Individual and Family Development	2	0	0%	0%	0%	0%	0%	50%	50%	0	$0
20.0102	Child Development, Care & Guidance	80	52	65%	78%	3%	17%	6%	2%	16%	25	$18,658
Totals		85	54	63%	77%	3%	18%	5%	4%	22%	26	$18,555
Letters												
23.0101	English, General	139	80	57%	77%	12%	10%	7%	12%	50%	36	$18,749
23.0801	Literature, English	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
23.1001	Speech, Debate, Forensics	3	3	100%	66%	0%	33%	0%	0%	0%	1	$23,772
23.9999	Letters, Other	17	13	76%	100%	0%	0%	17%	0%	94%	6	$20,196
Totals		160	97	60%	80%	10%	9%	8%	10%	53%	43	$19,068

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					Mich	Other	Unknown					
Life Sciences												
26.0101	Biology, General	68	46	67%	56%	19%	25%	10%	14%	26%	20	$19,604
26.0701	Zoology	1	0	0%	0%	0%	0%	0%	0%	100%	0	$0
Totals		69	46	66%	56%	19%	25%	10%	14%	27%	20	$19,604
Mathematics												
27.0101	Mathematics	121	79	65%	67%	12%	20%	1%	6%	73%	26	$20,536
Totals		121	79	65%	67%	12%	20%	1%	6%	73%	26	$20,536
Interdisciplinary Studies												
30.0101	Biological and Physical Sciences	12	11	91%	90%	9%	0%	8%	0%	25%	5	$20,280
30.0401	Humanities and Social Science	52	33	63%	75%	12%	12%	5%	3%	34%	12	$18,533
Totals		64	44	68%	79%	11%	9%	6%	3%	30%	17	$19,047
Parks and Recreation												
31.0201	Outdoor Recreation	1	1	100%	100%	0%	0%	0%	0%	0%	1	$20,052
31.9999	Parks and Recreation, Other	1	0	0%	0%	0%	0%	0%	0%	100%	0	$0
Totals		2	1	50%	100%	0%	0%	0%	0%	50%	1	$20,052
Physical Sciences												
40.0101	Physical Science, General	4	3	75%	0%	33%	66%	0%	0%	50%	0	$0
40.0501	Chemistry	8	6	75%	83%	0%	16%	12%	12%	50%	0	$0
40.0703	Earth Science	18	10	55%	60%	20%	20%	0%	11%	44%	5	$16,802
40.9999	Physical Sciences, Other	2	2	100%	100%	0%	0%	0%	0%	100%	2	$21,072
Totals		32	21	65%	61%	14%	25%	3%	9%	50%	7	$18,022
Psychology												
42.0101	Psychology, General	5	2	40%	0%	100%	0%	20%	40%	60%	0	$0
Totals		5	2	40%	0%	100%	0%	20%	40%	60%	0	$0
Social Sciences												
45.0101	Social Science	7	4	57%	100%	0%	0%	14%	14%	28%	4	$18,000
45.0601	Economics	2	2	100%	50%	50%	0%	0%	0%	100%	2	$18,120
45.0701	Geography	2	2	100%	0%	100%	0%	0%	0%	50%	2	$18,696
45.0801	History	49	29	59%	51%	17%	31%	2%	12%	48%	8	$19,587

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					Mich	Other	Unknown					
Social Sciences (Cont.)												
45.1001	Political Science and Government	13	5	38%	0%	20%	80%	7%	38%	23%	1	$23,004
45.1101	Sociology	1	0	0%	0%	0%	0%	0%	0%	100%	0	$0
Totals		74	42	56%	47%	21%	30%	4%	16%	44%	17	$19,137
Visual and Performing Art												
50.0501	Dramatic Arts	7	5	71%	80%	20%	0%	0%	28%	28%	3	$19,212
50.0701	Fine Arts, General	9	3	33%	66%	33%	0%	22%	0%	22%	1	$16,500
50.0901	Music	2	1	50%	100%	0%	0%	0%	0%	50%	0	$0
50.0902	Music History and Appreciation	1	1	100%	100%	0%	0%	0%	0%	0%	0	$0
Totals		19	10	52%	80%	20%	0%	10%	10%	73%	4	$18,534
Grand Totals		2021	1283	63%	74%	15%	9%	7%	13%	53%	689	$18,784

The Collegiate Employment Research Institute was established by Michigan's Legislature in 1984. The Institute is charged with the task of examining issues on career development and employment for college graduates. Various projects are underway, including the study covered in this report, to provide information to educators and counselors for program development. If you have any questions on this study or any Institute project, please contact the Institute directly.

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